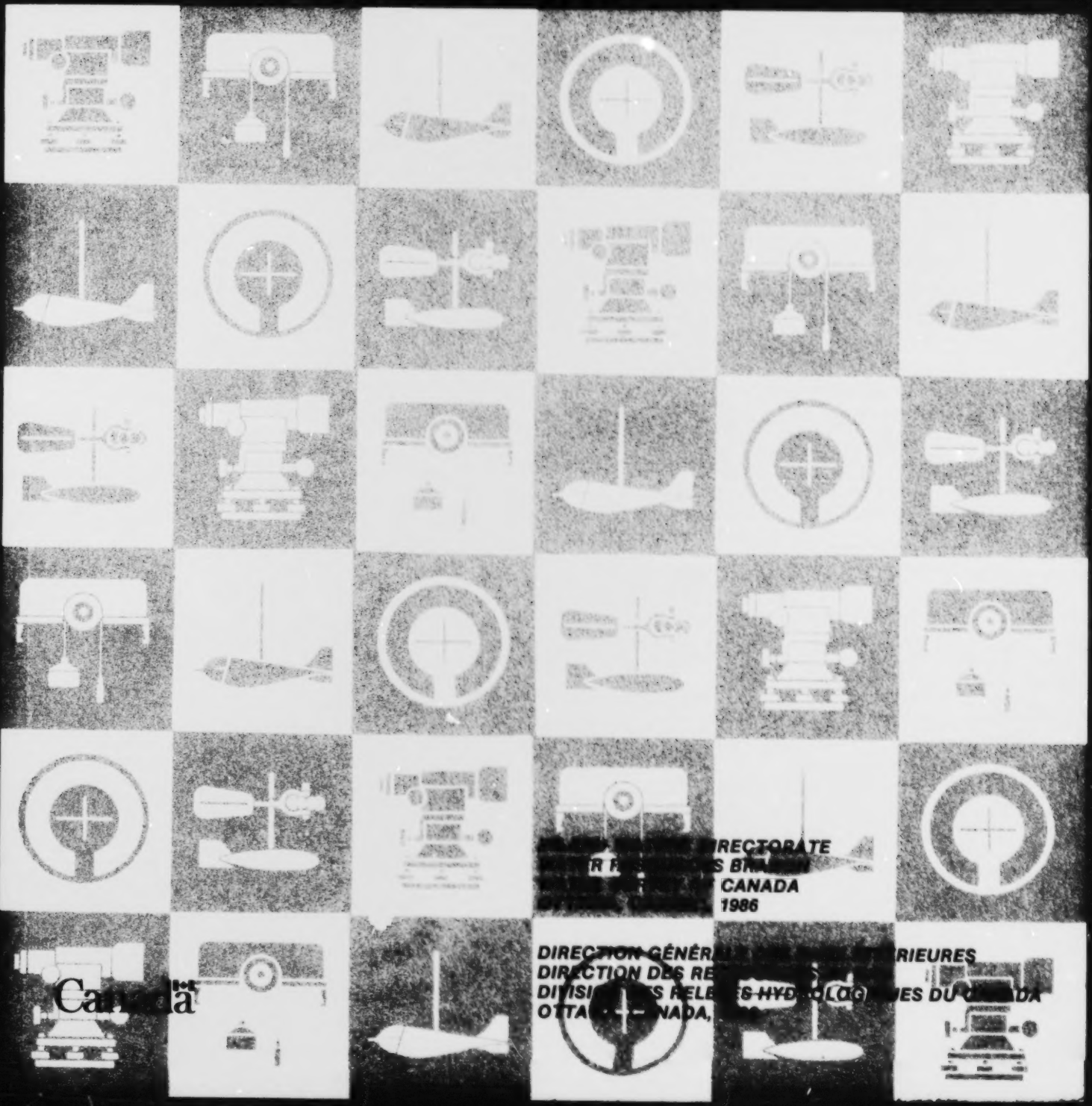
Sediment Data

British Columbia

Données sur les sédiments

Colombie-Britannique

1984



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Sediment Data
British Columbia

Données sur les sédiments
Colombie-Britannique

1984

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1986

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1986

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PREFACE

This publication was prepared by personnel of the Sediment Survey Section, Water Survey of Canada Division, under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Vancouver, British Columbia.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

Le groupe d'étude des sédiments de la Division des relevés hydrologiques du Canada, sous l'autorité du directeur des Ressources en eau du ministère de l'Environnement, à Ottawa, a préparé la présente publication.

Le chef régional de la Direction des ressources en eau, à Vancouver (Colombie-Britannique), a supervisé la collecte et la compilation des données de base.

Nous remercions vivement les organismes provinciaux, ou autres, pour leur collaboration.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1984 calendar year, the results of the sediment survey investigations conducted in British Columbia by the Water Survey of Canada.

Data on the character and quantity of fluvial sediments provided by sediment survey investigations are intended for use in studies of water quality, environmental impacts, river processes and behaviour, and engineering design.

General introductory information on the sediment survey is included in this publication. Similar information for the associated hydrometric survey is given in the regular publications containing surface water data.

Details on individual stations and related records, as well as recent data that have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
502–1001 West Pender Street,
Vancouver, British Columbia.
V6E 2M9

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

Dans la présente publication de la Direction des ressources en eau du ministère de l'Environnement, on trouvera les résultats des études des sédiments effectuées dans les cours d'eau de la Colombie-Britannique par la Division des relevés hydrologiques du Canada au cours de l'année civile 1984.

Les données recueillies sur la nature et l'importance de la charge solide dans les cours d'eau doivent servir aux études portant sur la qualité des eaux, les incidences environnementales, les processus fluviaux, le comportement des cours d'eau et la conception de projets.

La presente publication contient des renseignements généraux préliminaires sur les études des sédiments. Des renseignements semblables sur les études hydrométriques connexes sont contenus dans les publications régulières présentant des données sur les eaux de surface.

On peut obtenir des renseignements supplémentaires sur les stations et les relevés, ainsi que des données récentes non encore publiées, en s'adressant au:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
502–1001, rue Pender ouest
Vancouver (C.-B.)
V6E 2M9

ou au directeur des Ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

SCOPE OF PUBLICATION

Descriptive information about sediment stations is given. This refers to the Location, Latitude and Longitude, Drainage Area and whether the flow is Natural Flow or Regulated Flow (the year that regulation began is given, if known), Type of Gauge and the Total Suspended Sediment Load in Tonnes for the Period of Record is also included. International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions at the sediment station that could effect the data results are explained under "Remarks".

This publication contains data on streamflow, instantaneous suspended sediment concentration; daily mean suspended sediment concentration; daily suspended sediment loads; dissolved solids concentration; load summary; particle-size distribution of suspended sediment in percent sand, silt and clay; bed load and bed material; water temperature when samples were collected; type of sampler and the single sampling vertical location.

A historical sediment data summary includes such information as Sampled Concentration Maximum and Minimum; Suspended Sediment Load Maximum Daily and the Total for Period. The Period of Record and the Type of Operation for each year of data are also given. A Summary for the Months of record gives the Period of Record Mean, the Mean for Period of Record and the Standard Error of Mean as a percent.

ORGANIZATION AND HISTORY OF SEDIMENT SURVEYS IN CANADA

In Canada, investigations of sediment transported by streams were first undertaken by individual organizations or agencies in 1948, to meet the needs of federal and provincial agencies for assessment of particular projects. Although the investigations were extended to meet expanding needs after 1948, it was not until 1961 that a systematic survey was undertaken by the Water Resources Branch.

The sediment survey program has the following objectives:

(1) Collection and provision of data related to sediment transport in Canadian rivers for applications in water resource engineering, water quality and environmental studies.

(2) Provision of information and advice related to sediment transport.

(3) Assessment, improvement and standardization of equipment and techniques used in Canada's sediment survey program.

PORTÉE DE LA PUBLICATION

Des données descriptives sont présentées sur les stations d'étude des sédiments. Elles concernent leur emplacement, leurs latitude et longitude, leur bassin versant, la nature de débit (naturel ou régularisé, avec indication, le cas échéant, de l'année où la régularisation a commencé, si elle est connue), le type d'instrument de mesure employé et le débit total des sédiments en suspension (en tonnes) pour la période de relevé. Les stations internationales de jaugeage sont indiquées, ainsi que le nom des organismes qui fournissent les données. Des explications concernant des conditions exceptionnelles qui ont pu influer sur les résultats sont présentées dans la partie «Remarques».

Cette publication renferme des données sur le débit des cours d'eau, les concentrations instantanées de sédiments en suspension, les concentrations journalières moyennes de sédiments en suspension, les débits journaliers de sédiments en suspension, les concentrations de matières dissoutes, les débits solides totaux (résumés), la granulométrie des sédiments en suspension exprimée en pourcentage de sable, de limon et d'argile, le charriage et les matériaux du lit, la température de l'eau au moment de l'échantillonnage, le type d'échantillonneur employé et l'emplacement des verticales de prélèvement d'échantillons uniques.

Un résumé des données historiques sur les sédiments est inclus. On y trouve divers renseignements comme les concentrations maximale et minimale mesurées, le débit journalier maximal des sédiments en suspension et le total pour la période. La période de relevé et le type d'exploitation des stations sont indiqués pour chaque année. Dans un résumé pour les mois de relevé, on donne la moyenne pour chaque période et pour l'ensemble des périodes de relevé ainsi que l'erreur-type de la moyenne, en pourcentage.

ORGANISATION ET HISTORIQUE DES ÉTUDES DES SÉDIMENTS AU CANADA

Au Canada, les études dans ce domaine ont débuté en 1948 en réponse aux besoins exprimés par certains organismes fédéraux et provinciaux pour l'évaluation de projets donnés et étaient le fait d'organismes privés. Bien que les études se soient poursuivies après 1948 pour satisfaire aux besoins accrus, ce n'est qu'en 1961 que la Direction des ressources en eau les a entreprises de façon systématique.

Les buts de ces études sont de:

(1) réunir et produire des données sur les transports solides dans les cours d'eau canadiens, données dont on peut avoir besoin pour des études concernant l'environnement, la qualité des eaux et la conception de projets portant sur les ressources en eau.

(2) produire des informations concernant les transports solides.

(3) évaluer, améliorer et uniformiser le matériel et les techniques employés dans le programme d'étude des sédiments au Canada.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Sediment data have been published in a variety of formats since the beginning of the Sediment Survey Program.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis le début du programme d'étude des sédiments, la présentation des données a varié.

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

COLLECTION AND PROCESSING OF BASIC DATA

1. *Equipment and Instrumentation*

The sediment survey program of the Water Resources Branch is conducted in cross sections on rivers selected specifically for the sediment survey or for the hydrometric survey. Certain cross sections are located at traffic bridges, while others are equipped with cableways, or automatic pump samplers.

The following sediment samplers have been used in the sediment survey program:

(a) Depth-integrating suspended sediment wading-type hand sampler, USDH-48, used on small streams or during winter periods.

(b) Depth-integrating suspended sediment sampler, USDH-59, used as a handline suspension for small and medium size streams.

(c) Depth-integrating suspended sediment samplers, USD-49, and USD-74, used on a reel suspension for medium and large streams whose depths are less than five metres.

(d) Point-integrating suspended sediment samplers, USP-61, USP-61-A1, USP-63, and USP-72, used for point-integrating sampling, or depth-integrating sampling if the depth is over five metres, or in a cross section with a very high velocity.

(e) Automatic pump sampler is an automatic pumping system permitting unattended collecting and bottling of individual water samples pumped from a fixed point in a stream. This sampler is normally installed at isolated locations where otherwise no data would be available during ice break-up or peak periods.

(f) Bed material sampler, USBM-54, used on large or deep streams or on those streams with hard-packed streambeds.

(g) Bed material sampler USBMH-60, used on some large or deep streams or on those streams with soft-packed streambeds.

(h) Bed material sampler USBMH-53 used on some small or shallow streams.

(i) Lane bed material sampler, a drag-type sampler used on small streams or those with soft streambeds.

2. *Hydrometric Surveys*

The hydrometric survey includes the standard procedures for observations of water levels, streamflow measurements, water surface slope determinations if required, and observations of water temperature. The streamflow measurements are made in conjunction with the sediment load measurements and conform to the accepted standards of the regular hydrometric survey.

3. *Sediment Sampling Program*

The following is a summary of the elements associated with the Sediment Sampling Program:

(a) Periodic measurement of suspended sediment load by the

COLLECTE ET TRAITEMENT DES DONNÉES DE BASE

1. *Matériel*

L'étude des sédiments réalisée par la Direction des ressources en eau porte sur des sections transversales de cours d'eau choisis spécialement à cette fin ou pour les relevés hydrométriques. Certaines sections sont situées sous un pont, d'autres sont accessibles par téléphérique, ou sont étudiées à l'aide d'un échantillonneur sous pression.

On a utilisé les échantillonneurs suivants:

(a) L'échantillonneur intégrateur selon la profondeur, type simple, USDH-48, employé dans les cours d'eau peu profonds ou en hiver;

(b) L'échantillonneur intégrateur selon la profondeur USDH-59, utilisé comme une ligne dans les cours d'eau petits et moyens;

(c) Les échantillonneurs intégrateurs selon la profondeur USD-49 et USD-74 fixés au bout d'une corde s'enroulant autour d'un moulinet et employés dans les cours d'eau gros ou moyens dont la profondeur est inférieure à cinq mètres;

(d) Les échantillonneurs intégrateurs USP-61, USP-61-A1, USP-63 et USP-72, employés ponctuellement ou sur toute la verticale, et utilisés lorsque la profondeur est supérieure à cinq mètres ou dans les sections transversales qui connaissent un débit très élevé;

(e) Un échantillonneur automatique permettant le prélèvement en bouteilles, sans surveillance, d'échantillons uniques d'eau obtenus à l'aide d'une pompe en un point précis d'un cours d'eau; il est ordinairement installé dans un endroit isolé où aucune donnée ne pourrait être obtenue autrement au cours de la débâcle ou des périodes de débit de pointe;

(f) L'échantillonneur USBM-54 employé pour le prélèvement d'échantillons des matériaux du lit dans les cours d'eau importants ou profonds ou dans les cours d'eau dont le fond est dur;

(g) L'échantillonneur USBMH-60 employé pour le prélèvement d'échantillons des matériaux du lit dans certains cours d'eau importants ou profonds, ou dans les cours d'eau dont le fond est meuble;

(h) L'échantillonneur USBMH-53 employé pour le prélèvement d'échantillons des matériaux du lit dans certains cours d'eau petits ou peu profonds;

(i) La drague employée pour le prélèvement d'échantillons des matériaux du lit dans de petits cours d'eau ou dans des cours d'eau dont le fond est meuble.

2. *Relevés hydrométriques*

Le relevé hydrométrique comprend, entre autres, l'observation de la hauteur des eaux, la mesure du débit de l'eau, la détermination de la pente de la ligne d'eau, si nécessaire, ainsi que l'observation de la température de l'eau. Les mesures du débit de l'eau et du débit des sédiments se font conjointement, suivant les méthodes acceptées.

3. *Échantillonnage des sédiments des cours d'eau*

L'échantillonnage comporte, en gros, les éléments suivants:

(a) La mesure périodique du débit des sédiments en suspension par la méthode d'intégration sur toute la profondeur

depth-integrating method for determining the average suspended sediment concentration in the cross section.

(b) Single suspended sediment samples at a selected vertical for determining the sediment concentration for the days when suspended sediment load measurements are not taken.

(c) Limited measurement of suspended sediment load by the point-integrating method for checking depth-integrated measurements and for determining particle-size distribution in the cross section.

(d) Sampling of bed material for determining particle-size distribution.

(e) Periodic measurement of bed load.

The following is a brief explanation of the elements listed above:

(a) *Suspended Sediment Load by Depth-Integrating Method*: Measurements are made by the depth-integrating method to determine the suspended sediment load carried in the entire cross section of a stream, the average suspended sediment concentration in the cross section, and the size distribution of the sediment particles. It is known that the concentration of suspended sediment tends to increase from the water surface to the streambed and could vary from streambank to streambank.

When making suspended sediment equal-discharge-increment (EDI) measurements, the stream cross section is divided into at least five equal-flow portions and a representative suspended sediment sample is collected from each portion. For each part of the cross section, the suspended sediment load (r) may then be computed by multiplying the flow (q) by the suspended sediment concentration (c):

$$r = q\ c$$

The suspended sediment load (R) for the cross section may be computed by adding the sediment loads for the five equal-flow portions:

$$R = r\ n = q_1c_1 + q_2c_2 + \ldots + q_nc_n$$

The depth-integrating method of sampling is used to measure the suspended sediment concentration. This method is based on the premise that the sampler fills at a rate proportional to the velocity of the approaching flow, and that by traversing the depth of a stream at a uniform speed, the sampler will receive a portion of water sediment mixture at every point in the vertical.

(b) *Single Suspended Sediment Samples at a Selected Vertical*: Single suspended sediment samples, consisting of two bottles each, are collected routinely using the depth or point-integrating samplers at a permanently fixed vertical in a cross section. During periods of very heavy sediment concentration, two or three single sediment samples may be taken per day, while during periods of low concentration, one single sediment sample may only be taken every few days. During extremely low flow periods, the sampling may be limited to one single sample in several weeks or months.

(c) *Suspended Sediment Load by Point-Integrating Method*: A limited number of suspended sediment load measurements are made by the point-integrating method. These measurements are included in the program (a) to check by comparison the "measured" sediment loads obtained by the depth-integrating method with the suspended sediment loads by the point-integrating method and (b) to obtain samples from which to determine particle-size distribution

pour la détermination de la concentration moyenne dans une section transversale;

(b) Le prélèvement d'échantillons uniques des sédiments en suspension selon une verticale choisie, afin de déterminer la concentration des sédiments les journées où le débit des sédiments en suspension n'est pas mesuré;

(c) Un nombre restreint de mesures du débit des sédiments en suspension avec intégration en un point précis d'un cours d'eau, afin de vérifier les résultats des mesures avec intégration selon la profondeur et afin de déterminer la granulométrie des particules de sédiments dans une section transversale d'un cours d'eau;

(d) L'échantillonnage des matériaux du lit afin d'en déterminer la granulométrie;

(e) La mesure périodique du charriage.

Voici une brève description des éléments susmentionnés.

(a) *Mesure du débit des sédiments en suspension par intégration selon la profondeur*: La méthode permet de déterminer le débit des sédiments en suspension traversant toute une section transversale d'un cours d'eau, la concentration moyenne des sédiments en suspension dans la section transversale et la granulométrie des sédiments en suspension. C'est un fait connu que la concentration des sédiments en suspension augmente généralement avec la profondeur et qu'elle peut varier d'une rive à l'autre d'un cours d'eau.

Avec la méthode d'incréments de débits égaux (IDE), la mesure du débit des sédiments en suspension se fait en divisant une section transversale d'un cours d'eau en au moins cinq tranches où le débit est égal et en prélevant un échantillon représentatif dans chacune d'elles. Le débit des sédiments en suspension (r) pour chaque tranche se calcule en multipliant le débit (q) par la concentration des sédiments en suspension (c):

$$r = q\ c$$

Le débit des sédiments en suspension (R) pour la section transversale est la somme des débits des sédiments des cinq tranches:

$$R = r\ n = q_1c_1 + q_2c_2 + \ldots + q_nc_n$$

La méthode par intégration sur toute la profondeur est employée pour mesurer la concentration des sédiments en suspension. Elle suppose que l'échantillonneur se remplit à un rythme proportionnel au débit de l'eau et qu'en étant déplacé à une vitesse uniforme sur toute la verticale, il reçoit une partie du mélange eau-sédiments à tous les points de celle-ci.

(b) *Prélèvement d'échantillons uniques de sédiments en suspension sur une verticale choisie*: De tels échantillons, constitués chacun de deux bouteilles, sont prélevés régulièrement à l'aide d'appareils intégrateurs, selon la profondeur ou ponctuels, sur une verticale permanente d'une section transversale. Lorsque la concentration des sédiments est très forte, deux ou trois échantillonnages peuvent être effectués chaque jour, alors qu'un seul échantillon peut être prélevé à quelques jours d'intervalle lorsqu'elle est faible. Au cours des périodes où le débit est extrêmement faible, l'échantillonnage peut être limité à un échantillon toutes les quelques semaine ou tous les quelques mois.

(c) *Mesure du débit des sédiments en suspension par la méthode ponctuelle*: Un nombre limité de mesures du débit des sédiments en suspension sont faites avec cette méthode. On y a recours a) pour vérifier les valeurs du débit mesurées au moyen de la méthode précédente et b) pour obtenir des échantillons en vue de déterminer la granulométrie des sédiments en divers points de la

at different points in the cross section. The point-integrating sediment loads are computed by graphical methods.

The relationship between the suspended sediment concentration of the single vertical sample and the average concentration in the cross section determined from the suspended sediment load measurements is established for some stations. Using this relationship, the sediment concentrations of the single vertical samples are adjusted to reflect the average suspended sediment concentration in the cross section. These average sediment concentrations in the cross sections are plotted, and a smooth curve is drawn through the points to obtain a concentration graph. This graph represents the average suspended sediment concentration for the period of record. The daily mean concentrations are determined by automated procedures using a digitizer interfaced with a Digital minicomputer.

The daily suspended sediment loads are computed on the basis of stream discharges and the collected suspended sediment concentrations. The daily suspended sediment loads are expressed in tonnes per day and are obtained by multiplying the daily mean sediment concentration (mg/L), by the daily mean discharge (m^3/s), and the conversion factor, 0.0864.

(d) *Bed Material Sampling*: In a cross section, bed material samples are usually taken in the same sampling verticals as the suspended sediment samples. Often, additional bed material samples are collected at the water edge, the extreme water level or at other points in the cross section. The total number of bed material samples taken in a cross section usually varies between five and nine.

(e) *Bed Load Measurement*: There are several methods available for measurement of bed load (volumetric method, measurement by samplers, method of tracers, method of constricted cross section, study of sound waves, etc.). The measurement methods should be selected in accordance with river regime.

4. *Total Sediment Load*

Sediment transport may be divided into two categories: sediment maintained in suspension in the stream (suspended load) and sediment being carried along the streambed (bed load). To measure the total sediment load, each of these must be measured separately and then totalled. The total sediment load was not computed for this publication.

5. *Sediment Survey Laboratories*

The Water Resources Branch maintain sediment survey laboratories in New Westminster, British Columbia; Regina, Saskatchewan; Guelph, Ontario; and Moncton, New Brunswick. The laboratories are equipped to perform the following analyses:

(a) determination of sediment concentration by (1) filtration method, (2) evaporation method and (3) determination of total dissolved solids by evaporation method.
(b) particle-size distribution analysis by (1) bottom withdrawal tube method, (2) sieving and (3) hydrometer method.

Determination of the sediment concentration by the evaporation method is carried out by evaporating the water from the settled sediment sample, with the results being corrected for dissolved solids. The quantity of dissolved solids is determined by evaporating a portion of the decanted water of a sample. In the filtration method, the suspended sediment concentration of water samples is determined by utilizing Gooch crucibles with a Reeve Angel 934AH filter and a Millipore AP20 prefilter and a vacuum system.

section transversale. Cette méthode fait appel à des graphiques pour le calcul du débit des sédiments.

Le rapport entre la concentration des sédiments en suspension dans les échantillons prélevés sur une seule verticale et la concentration moyenne dans la section transversale, telle que déterminée à partir des mesures du débit des sédiments en suspension, est établi pour quelques stations. Il permet de corriger les concentrations mesurées à une seule verticale de manière à donner la concentration moyenne dans la section transversale. Les concentrations moyennes ainsi déterminées sont reportées sur un graphique, et une courbe lisse passant par les points marqués est tracée. Le graphique obtenu représente la concentration moyenne des sédiments en suspension pour la période de relevé. Les concentrations moyennes quotidiennes sont déterminées automatiquement à l'aide d'un convertisseur analogique-numérique relié à un mini-ordinateur numérique.

Les valeurs journalières du débit des sédiments en suspension sont calculées à partir du débit du cours d'eau et des concentrations des sédiments en suspension recueillis. Elles sont exprimées en tonnes par jour. On les détermine en multipliant la concentration moyenne journalière des sédiments (mg/L) par le débit moyen journalier (m^3/s) et par un facteur de conversion approprié, 0.0864.

(d) *Échantillonnage des matériaux du lit*: Dans une section transversale, les échantillons des matériaux du lit sont ordinairement prélevés aux mêmes verticales que ceux des sédiments en suspension. Souvent, des échantillons supplémentaires sont pris près des rives, là où le niveau d'eau est extrême et à d'autres points de la section transversale. Leur nombre total pour une section donnée varie ordinairement entre cinq et neuf.

(e) *Mesure du charriage*: La mesure peut se faire par plusieurs méthodes (méthode volumétrique, mesure à l'aide d'échantillonneurs, méthode des traceurs, méthode de la section transversale rétrécie, étude des ondes sonores, etc.). Le choix se fondera sur la nature du régime du cours d'eau.

4. *Débit solide total*

Il y a deux catégories de sédiments: les sédiments maintenus en suspension au sein de l'eau (sédiments en suspension), et les sédiments charriés sur le lit d'un cours d'eau (charriage de fond). Les deux types de sédiments doivent être mesurés séparément et leurs valeurs additionnées si on veut mesurer le débit total des sédiments. Toutefois, on ne l'a pas calculé aux fins de la présente publication.

5. *Laboratoires d'analyse*

La Direction des ressources en eau possède des laboratoires d'analyse des sédiments à New Westminster (Colombie-Britannique), Regina (Saskatchewan), Guelph (Ontario) et Moncton (Nouveau-Brunswick). Les laboratoires disposent des appareils nécessaires pour effectuer les analyses suivantes:

(a) la détermination de la concentration des sédiments par (1) filtration, (2) évaporation, et (3) détermination des matières dissoutes totales par évaporation.
(b) l'analyse granulométrique (1) par extraction des sédiments déposés dans un tube, (2) par l'emploi de tamis et (3) par l'utilisation d'un hydromètre.

La méthode par évaporation consiste à faire évaporer l'eau d'un échantillon de sédiments décanté et à corriger les résultats pour tenir compte des matières dissoutes. La quantité de celles-ci est déterminée en faisant évaporer une partie de l'eau de l'échantillon décanté. Dans la méthode par filtration, on utilise sous vide des creusets de Gooch munis d'un filtre Reeve Angel 934AH et d'un préfiltre Millipore AP20.

Particle-size analysis was carried out for some suspended sediment samples having gross weights in the range of 0.15 to 5 g using the Bottom Withdrawal Tube method. The particle-size distribution of the Bottom Withdrawal Tube method ranges from 0.002 to 1.000 mm. The Sieve analysis method may be used for samples with a large amount of material coarser than 0.062 mm.

The particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)
Clay	0.000 24 - 0.004
Silt	0.004 - 0.062
Sand	0.062 - 2.0
Gravel	2.0 - 64.0

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analyzed in distilled water. Chemical dispersion is not used for native-water analysis.

6. *Accuracy and Reliability of Field Data and Computed Results*

The overall accuracy and degree of reliability of the sediment data is dependent upon many factors. Some of the more important of these are:

(a) accuracy and reliability of streamflow records;
(b) regime of the river;
(c) type of sampling equipment used to collect the suspended sediment samples;
(d) frequency of suspended sediment discharge measurements;
(e) frequency of individual sampling;
(f) quality of the relationship between the average suspended sediment concentration in the cross section and the concentration of the individual samples;
(g) frequency and method of bed material sampling;
(h) frequency and method of bed load measurements;
(i) accuracy and reliability of the laboratory analysis;
(j) selected methods of computation of the suspended sediment discharge;
(k) interpretation and extrapolation of sediment records.

An assessment of the quality of the records can be made by an examination of the occurrence of the symbols A, B, E on the daily mean discharge and the S on the daily mean concentration.

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those records obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

Une analyse granulométrique a été effectuée pour certains échantillons de sédiments en suspension ayant un poids brut dans l'intervalle de 0.15 à 5 g par la méthode de la burette (extraction des sédiments déposés, à divers intervalles). La distribution de la taille des particules déterminée par cette méthode varie de 0.002 à 1.000 mm. La méthode de tamisage peut être employée pour les échantillons ayant une forte quantité de particules de taille supérieure à 0.062 mm.

La classification granulométrique qui est utilisée dans la présente publication est conforme aux recommandations faites par l'*American Geophysical Union Subcommittee on Sediment Terminology*. La classification est la suivante:

Classification	Taille (mm)
Argile	0.000 24 - 0.004
Limon	0.004 - 0.062
Sable	0.062 - 2.0
Gravier	2.0 - 64.0

La répartition granulométrique qui est fournie dans cette publication, n'est pas obligatoirement représentative de toutes les particules qui sont transportées par un cours d'eau donné. La plupart des matières organiques sont extraites de l'échantillon qui est ensuite soumis à une dispersion mécanique et chimique avant d'être analysé dans de l'eau distillée. La dispersion chimique ne sert pas à l'analyse de l'eau naturelle.

6. *Exactitude des données et des résultats*

L'exactitude des données sur les sédiments dépend de nombreux facteurs. On peut citer, parmi les plus importants:

(a) l'exactitude des données sur les débits;
(b) le régime d'un cours d'eau;
(c) le type d'appareil d'échantillonnage utilisé pour prélever les échantillons de sédiments en suspension;
(d) la fréquence des mesures du débit des sédiments en suspension;
(e) la fréquence des échantillonnages isolés;
(f) la qualité du rapport entre la concentration moyenne des sédiments en suspension dans une section transversale et la concentration des échantillons isolés;
(g) la fréquence des échantillonnages des matériaux de fond et la méthode utilisée;
(h) la fréquence des mesures du charriage de fond et la méthode utilisée;
(i) l'exactitude des analyses de laboratoire;
(j) les méthodes de calcul du débit des sédiments en suspension;
(k) l'interprétation et l'extrapolation des données sur les sédiments.

La qualité des données peut être évaluée d'après la fréquence d'utilisation des symboles A, B, E, avec les données sur le débit journalier moyen, et S, avec celles sur la concentration journalière moyenne.

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas des petits cours d'eau ou des cours d'eau à crues très rapides.

METHOD OF TABULATION OF SEDIMENT DATA

For stations where the suspended sediment load was obtained, the following data are given where available:

1. The table of *Suspended Sediment Load* includes the daily mean discharge in cubic metres per second, the daily mean concentration in milligrams per litre, and the daily suspended sediment load in tonnes per day. The total monthly discharge and total monthly sediment load is also given for complete months of record.

   For stations where the sediment load in tonnes per day are produced for complete or partial years, the *Total Suspended Load* for the period is given in the descriptive information.

   For stations where only suspended sediment concentrations are obtained, the table of *Suspended Sediment Load* will not be given.

   Additional descriptive information about the sediment station is also given above the table of *Suspended Sediment Load* and will indicate the following, where applicable.

   Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

   Drainage area – refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station.

   Natural Flow or *Regulated Flow* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

   Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

   (a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.

   (b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.

   International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been

PRÉSENTATION DES TABLEAUX DE DONNÉES SUR LES SÉDIMENTS

Pour les stations de mesure du débit des sédiments en suspension, les données suivantes sont présentées, pour autant qu'elles sont disponibles:

1. Le tableau concernant le *débit des sédiments en suspension* (The table of Suspended Sediment Load) donne le débit journalier moyen de l'eau, en mètres cubes par seconde, la concentration journalière moyenne, en milligrammes par litre, et le débit journalier des sédiments en suspension, en tonnes par jour. Les mois où les données sont complètes, sont également indiqués les débits mensuels totaux de l'eau et des sédiments.

   Dans le cas des stations où le débit des sédiments, en tonnes par jour, est fourni pour une année complète ou une partie de l'année, le total pour la période est indique.

   Dans le cas des stations où seule la concentration des sédiments en suspension est obtenue, ce tableau est absent.

   Des renseignements descriptifs additionnels au sujet de la station sont également présentées au-dessus du tableau. On peut y apporter les précisions suivantes:

   Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à une bonne distance de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

   Superficie du bassin versant (Drainage area) – Désigne la zone délimitée par une ligne de faîte de sorte que l'écoulement de surface direct provenant des précipitations est entraîné par gravité vers le cours d'eau, en amont de la station.

   Débit naturel ou *régularisé* (Natural Flow ou Regulated Flow) – Un débit reconnu comme naturel est indiqué. Le débit de nombreux réseaux hydrographiques est modifié par une régularisation effectuée en amont. Dans certains cas, l'importance de cette régularisation n'est pas connue, et elle n'est donc pas indiquée. Cependant, quand on sait que la régularisation est d'une certaine importance, on l'indique, ainsi que l'année où elle a débuté (si elle est connue).

   Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau ou le débit d'un cours d'eau.

   (a) *Manuelle* (Manual) – Indique qu'un appareil non enregistreur est employé pour obtenir normalement une fois par jour les données sur le niveau et le débit du cours d'eau.

   (b) *Enregistreuse* (Recording) – Indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux qui est tracé sur un graphique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.

   Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a

designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Contributed Data – if data were supplied in their entirety or partially by an outside agency, the name of this co-operating agency is given.

Remarks – contains a statement pertaining to the sediment sample collection.

2. The table of *Instantaneous Suspended Sediment Concentration* for depth-integrating samples gives the particle-size distributions, in Percent Finer, in millimetres for each sample collected, if available. The Date and Time of the sample collection; Water Temperature; Instantaneous Discharge, if not available the daily mean discharge should be given and indicated by a symbol; Single Sampling Vertical location; Dissolved Solids; Percent Sand, Silt and Clay; Type of Sampler used is also given where available.

   For the suspended sediment measurements, the date, time, water temperature at time of sampling, computed discharge for each sampling panel, concentration and the sampling vertical, coded with the symbol (M) to indicate a sampling vertical of a suspended sediment measurement are given.

3. The table of *Point Integrating Particle-size of Suspended Sediment* gives the particle-size distribution, in Percent Finer, in millimetres, for each sample collected in the measurement. The Date and Time of the sample collection; Instantaneous Discharge for each sampling vertical; Water Temperature; Sampling Vertical; Sample Depth; Concentration in milligrams per litre; Dissolved Solids, in milligrams per litre, and the Percent Sand, Silt and Clay are also given. The Type of Sampler used in the collection of the samples is indicated at the bottom of the table.

4. The table of *Bed Load Particle-size* gives the particle-size distribution, in Percent Finer, in millimetres, for each sample of bed load collected. The Date and Time of the sample collection; Instantaneous Discharge; Sampling Vertical and the Type of Sampler used in the collection of the sample are also given.

5. The table of *Bed Material Particle-size* gives the particle-size distribution, in Percent Finer, in millimetres, for each sample of bed material collected. The Date and Time of the sample collection; Instantaneous Discharge; Sampling Vertical and the Type of Sampler used in the collection of the sample are also given.

désigné certaines stations comme «internationales», et les données obtenues sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publications et dans les *United States Water Supply Papers* sont dues à des variantes dans les techniques de traitement automatique des données.

Données fournies (Contributed Data) – Lorsqu'un organisme extérieur a fourni toutes les données ou une partie des données, son nom est indiqué.

Remarques (Remarks) – Renseignements au sujet du prélèvement des échantillons de sédiments.

2. Le tableau des *concentrations instantanées de sédiments en suspension* (The table of Instantaneous Suspended Sediment Concentration) pour les échantillons obtenus par intégration selon la profondeur donne la granulométrie des sédiments, en pourcentage des particules de taille inférieure à une taille donnée, en millimètres, pour chaque échantillon recueilli, si elle est connue. Sont également indiqués la date et l'heure de prélèvement; la température de l'eau; son débit instantané (s'il n'est pas connu, le débit journalier moyen, avec symbole); l'emplacement de la verticale d'échantillonnage; la concentration des matières dissoutes; les pourcentages de sable, de limon et d'argile; le type d'échantillonneur employé, si connu.

   Pour les mesures des sédiments en suspension, la date, l'heure, la température de l'eau au moment de l'échantillonnage, le débit calculé pour chaque tranche de la section d'échantillonnage, la concentration et la verticale d'échantillonnage, avec le code M pour indiquer une verticale d'échantillonnage d'une mesure des sédiments en suspension, sont donnés.

3. Le tableau de la *granulométrie des échantillons ponctuels et intégrés des sédiments en suspension* (The table of Point Integrating Particle-size of Suspended Sediment) donne les pourcentages de particules de taille inférieure aux tailles indiquées, en millimètres, pour chaque échantillon prélevé pour la mesure. Sont également indiqués la date et l'heure de prélèvement de l'échantillon, le débit instantané pour chaque verticale d'échantillonnage, la température de l'eau, la verticale d'échantillonnage, la profondeur de l'échantillon, la concentration des sédiments, en milligrammes par litre, la concentration des matières dissoutes, en milligrammes par litre, et les pourcentages de sable, de limon et d'argile. Le type d'échantillonneur employé est indiqué au bas du tableau.

4. Le tableau de la *granulométrie des sédiments charriés* (The table of Bed Load Particle-size) donne le pourcentage des particules de taille inférieure aux tailles indiquées, en millimètres, pour chaque échantillon recueilli du charriage. Sont également indiqués la date et l'heure de prélèvement de l'échantillon, le débit instantané, la verticale d'échantillonnage et le type d'échantillonneur employé.

5. Le tableau de la *granulométrie des matériaux du lit* (The table of Bed Material Particle-size) donne le pourcentage des particules de taille inférieure aux tailles indiquées, en millimètres, pour chaque échantillon recueilli. Sont également indiqués la date et l'heure de prélèvement de l'échantillon, le débit instantané, la verticale d'échantillonnage et le type d'échantillonneur employé.

6. The table of *Historical Sediment Data Summary* gives the following, for the period of record, where applicable.

   (a) Period of Record
   (b) Type of Operation
   (c) Sampled Concentration
   (d) Suspended Sediment Load
   (e) Summary.

(a) The *Period of Record* gives the first and last month of record for the year, i.e. (APR-DEC) for April to December. If the *Period of Record* is incomplete this is indicated by an octothorpe (#).
(b) The *Type of Operation* shows *method of sampling* and the *operation schedule*, which are presented as two symbols i.e. M-S.

The first symbol is the *method of sampling* and could be one of the symbols (A), (B) or (M). The symbol (A) indicates that the method of sample collection was by an automatic sampler; (M) represents manual sampling. If samples during the year or season were collected by both automatic sampling and manual methods, this would be indicated by the symbol (B) for both.

The second symbol is the *operation schedule* which is represented by one of the symbols (C), (MS) or (S). The symbol (C) indicates that sediment loads are continuous for the entire year. The symbol (S) indicates that records are available only for partial year or seasonal. If records are available only for individual days of a year, this is indicated by the symbol (MS) for miscellaneous.

(c) The *Sampled Concentration* gives the maximum and minimum concentration, in milligrams per litre, and the date of collection for each year of record. The extreme recorded for the period of record is indicated by an asterisk (*).

(d) The *Suspended Sediment Load* gives the maximum daily load, in tonnes, and the date of occurrence. The extreme recorded is indicated by an asterisk (*). The Total for the Period gives the total load for the period or year, in tonnes. The extreme recorded is also indicated by an asterisk (*). A load which has been revised since the previous publication is marked with the symbol (R) for Revision.
(e) The *Summary* gives the *Mean Load* and the *Historical Mean Load* in tonnes.

The *Standard Error of the Mean* % is calculated using the following equation.

$$\frac{\sigma}{\bar{x} \times \sqrt{n}} \times 100\%$$

For stations with only instantaneous samples, this table will not include the *Suspended Sediment Load* or the statistical information in the *Summary*.

6. Le tableau du *sommaire chronologique des données sur les sédiments* (The table of Historical Sediment Data Summary) donne, pour la période pour laquelle les données sont disponibles, les renseignements suivants lorsque de telles données existent:

   (a) La période de relevé
   (b) Le type d'exploitation
   (c) Les concentrations mesurées
   (d) Le débit des sédiments en suspension
   (e) Le résumé.

(a) La *période de relevé* (Period of Record) donne le premier et le dernier mois des données au cours de l'année; ex.: (APR-DEC) pour avril à décembre. Le symbole # indique la *période de relevé* est incomplète.
(b) Sous le *type d'exploitation* (Type of Operation) on donne la *méthode d'échantillonnage* et le *calendrier d'exploitation*, qui sont présentés sous forme de deux symboles; ex.: M-S.

Le premier symbole correspond à la *méthode d'échantillonnage*; ce peut être un A, un B ou un M. Un A indique que l'échantillonnage a été fait au moyen d'un appareil automatique; un M, qu'il était manuel; et un B, que durant l'année ou la saison des méthodes manuelles et automatiques ont été employées.

Le deuxième symbole code pour le *calendrier d'exploitation*: ce peut être un C, un MS ou un S. Un C indique que les mesures du débit des sédiments se font pendant toute l'année; un S, que les données ne sont disponibles que pour une partie de l'année ou sont saisonnières; un MS, que les données ne sont disponibles que pour certains jours de l'année.

(c) Pour les *concentrations mesurées* (Sampled Concentration), on donne la concentration maximale et la concentration minimale, en milligrammes par litre, et leur date d'obtention pour chaque année de relevé. La valeur extrême enregistrée est indiquée par un astérisque (*).
(d) Sous le *débit des sédiments en suspension* (Suspended Sediment Load), on donne le débit journalier maximal, en tonnes, et sa date de mesure. Le débit extrême enregistré est indiqué par un astérisque (*). Le débit total pour la période ou pour l'année est indiqué. La valeur extrême est également signalée par un astérisque (*). La lettre R indique qu'une valeur du débit a été révisée depuis la dernière publication.
(e) Le *résumé* donne le *débit moyen* et le *débit moyen chronologique*, en tonnes.

L'*erreur-type de la moyenne* (Standard Error of the Mean), en pourcentage, est calculée à l'aide de l'équation suivante:

$$\frac{\sigma}{\bar{x} \times \sqrt{n}} \times 100\%$$

Dans le cas des stations ne prélevant que des échantillons instantanés, ce tableau ne donnera pas le *débit des sédiments en suspension* ni les données statistiques du *résumé*.

DEFINITION OF TERMS

The following definitions are given to clarify the terms used in this publication:

Automatic pump sample is an individual water-sediment mixture pumped from a fixed point in a stream.

Bed load is that material moving in almost continuous contact with the streambed, being rolled or pushed along the bottom by the force of the water.

Bed material is the sediment mixture of which the streambed is composed.

Daily load is the suspended sediment load expressed in tonnes for a particular day. The daily load is obtained by multiplying the daily mean sediment concentration (mg/L) by the daily mean discharge (m^3/s) and the conversion factor, 0.0864.

Daily mean concentration is a time-weighted mean value and is computed from a manually constructed concentration curve. The mean concentration value may be determined arithmetically or graphically. The arithmetic mean is obtained either by (1) selecting values from the concentration graph that represents uniform intervals of time and taking the arithmetic average or by (2) selecting values from the graph that represent unequal intervals of time and weighing these values by the time intervals represented by the concentrations. For graphical explanation refer to *Office Procedures for Sediment Data Computations* and for the automated graphical explanation refer to *Automated Hydrometric Computation Procedures.*

Depth-integrated sediment sample is a suspended sediment sample collected at a single vertical in a cross section in a sampler moving vertically at a constant transit rate and represents an average sample for that part of the depth ranging from the water surface to about nine centimetres above the streambed.

Instantaneous suspended sediment sample is a sample collected at a fixed vertical in a river cross section.

Measured suspended sediment discharge is the suspended sediment discharge that can be computed from stream discharge and the concentration of sediment determined from depth-integrated sediment samples.

Particle-size analysis is the process of determining the size distribution of particles in a sediment sample.

Point-integrated sediment sample is a sample of the water-sediment mixture taken over a specified period of time at a fixed point and depth in a river cross section.

DÉFINITION DES TERMES

Les définitions suivantes sont présentées afin de faciliter la compréhension des termes utilisés dans la présente publication:

Échantillonnage automatique à l'aide d'une pompe (Automatic pump sample): Prélèvement d'un mélange de sédiments et d'eau au moyen d'une pompe fonctionnant automatiquement, en un point précis d'un cours d'eau.

Charriage (Bed load): Matières roulées ou poussées sur le fond sous l'action de l'eau, mais restant en contact presque permanent avec le fond.

Matériau du lit (Bed material): Mélange de sédiments composant le lit d'un cours d'eau.

Débit journalier des sédiments en suspension (Daily load): Débit des sédiments en suspension exprimé en tonnes par jour, pour une journée donnée. On l'obtient en multipliant la concentration journalière moyenne des sédiments (mg/L) par le débit journalier moyen de l'eau (m^3/s) et le facteur de conversion 0.0864.

Concentration journalière moyenne (Daily mean concentration): Moyenne pondérée en fonction du temps, calculée à partir d'une courbe de la concentration établie manuellement. La valeur de la concentration moyenne peut être déterminée arithmétiquement ou graphiquement. Pour la déterminer arithmétiquement, on peut, soit choisir sur la courbe des valeurs représentant des intervalles uniformes de temps et faire la moyenne arithmétique, soit choisir sur cette courbe des valeurs qui représentent des intervalles inégaux de temps et pondérer ces valeurs en fonction des intervalles de temps correspondants. En ce qui concerne les méthodes graphiques, consulter *Méthodes de bureau pour les calculs de données sur les sédiments* et, pour la méthode automatisée, *Automated Hydrometric Computation Procedures.*

Échantillon intégré sur toute la profondeur (Depth integrated sediment sample): Échantillon des sédiments en suspension prélevé sur une verticale précise d'une section transversale d'un cours d'eau à l'aide d'un échantillonneur se déplaçant verticalement à une vitesse constante; il représente un échantillon moyen des matières en suspension entre la surface de l'eau et environ 9 cm du fond.

Échantillon instantané de sédiments en suspension (Instantaneous suspended sediment sample): Échantillon prélevé à une verticale précise d'une section transversale d'un cours d'eau.

Débit mesuré des sédiments en suspension (Measured suspended sediment discharge): Débit des sédiments en suspension qui peut être calculé à partir du débit du cours d'eau et de la concentration des sédiments déterminée à partir d'échantillons intégrés sur toute la profondeur.

Analyse granulométrique (Particle-size analysis): Détermination de la répartition de la taille des particules dans un échantillon de sédiments.

Échantillon ponctuel et intégré (Point-integrated sediment sample): Échantillon constitué d'un mélange d'eau et de sédiments, prélevé au cours d'une période de temps donnée en un point précis d'une section transversale d'un cours d'eau et à une profondeur donnée.

Sediment is fragmental material which has deposited, eroded or transported by a flowing stream.

Sediment hydrograph is a graph showing the variation of suspended sediment concentration or sediment discharge with respect to time.

Single sample is a sample taken at a selected permanent vertical in a cross section. Two bottles of water-sediment mixture make up each single sample.

Single sampling vertical is a selected permanent vertical in a cross section in which single suspended sediment samples are collected.

Suspended sediment is sediment that moves in suspension in water either as a colloid or through the influence of the upward component of turbulent currents.

Suspended sediment concentration is the ratio of the weight of dry solids in a water-sediment mixture to the volume of the mixture. The units of this ratio are "milligrams per litre" (mg/L).

Suspended sediment load is the quantity of suspended sediment transported through a cross section per unit of time.

Total sediment load is the sum of the suspended sediment load and the bed load.

Unmeasured sediment load is the difference between total sediment load and measured suspended sediment load.

Sédiments (Sediment): Matières fragmentaires qui ont été déposées, érodées ou transportées par un cours d'eau.

Hydrogramme des sédiments (Sediment hydrograph): Graphique représentant la variation de la concentration des sédiments en suspension ou du débit des sédiments en fonction du temps.

Échantillon unique (Single sample): Échantillon prélevé sur une verticale permanente particulière dans une section transversale. Deux bouteilles du mélange eau-sédiments constituent un seul échantillon.

Verticale d'échantillonnage unique (Single sampling vertical): Verticale permanente d'une section transversale où des échantillons uniques de sédiments en suspension sont prélevés.

Sédiments en suspension (Suspended sediment): Matériaux qui se déplacent au sein de l'eau, soit sous forme colloïdale, soit sous l'influence des forces ascendantes des courants turbulents.

Concentration des sédiments en suspension (Suspended sediment concentration): Rapport entre le poids des matières solides sèches contenues dans un mélange eau-sédiments et le volume du mélange. Les unités employées sont les «milligrammes par litre» (mg/L).

Débit des sédiments en suspension (Suspended sediment load): Quantité de sédiments en suspension transportés par unité de temps à travers une section transversale d'un cours d'eau.

Débit total des sédiments (Total sediment load): Somme du débit des sédiments en suspension et du débit charrié.

Débit non mesuré des sédiments (Unmeasured sediment load): Différence entre le débit total des sédiments et le débit mesuré des sédiments en suspension.

DEFINITION OF SYMBOLS

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates the presence of ice at the gauging station. For gauging stations where discharge data are obtained, this symbol indicates that the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates estimated data. It indicates that the values between collected sediment samples of a peak period are estimated by some indirect method such as interpolation, extrapolation, from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

H – Daily Mean Discharge – is the mean discharge for a particular day, usually referred to as the "daily discharge".

S – Sample(s) collected this day – indicates that a depth-integrated or point-integrated measurement, single vertical sample(s) or a sample collected by an automatic sampling device, was collected this day.

DÉFINITIONS DES SYMBOLES

A – Turbidisonde simple – Indique qu'on a effectué à une station de jaugeage dotée d'une turbidisonde enregistreuse au moins une observation par jour à l'aide d'une turbidisonde simple et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours des périodes d'eau libre.

B – Glaces – Indique la présence de glaces à la station de jaugeage, qui ont faussé la relation hauteur-débit.

E – Estimative – Indique des données estimatives, c'est-à-dire que les valeurs fournies entre les prélèvements d'échantillons d'une période de débit de pointe, sont évaluées de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

H – Débit journalier moyen – Debit moyen pour une journée donnée, ordinairement appelé «débit journalier».

S – Échantillon(s) prélevé(s) en ce jour – Indique qu'on a prélevé ce jour-là un (ou des) échantillon(s), intégré(s) selon la profondeur ou ponctuel(s), sur une (ou des) verticale(s) d'échantillonnage, ou qu'on a prélevé un échantillon au moyen d'un dispositif d'échantillonnage automatique.

CO-OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Data have been mutually exchanged and suspended sediment collection operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain sediment stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining sediment survey records, the Water Survey of Canada is indebted to other federal and provincial organizations which are noted as contributing agencies in the summary for the year. A list of these agencies may be found in the *Sediment Data Reference Index*.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données sur les sédiments, et l'assistance fournie par certains organismes a facilité les opérations d'échantillonnage des sédiments en suspension.

Dans les eaux adjacentes à la frontière internationale, les stations dépendent du Canada ou des États-Unis selon l'accord intervenu entre les deux pays, et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage» dans la présente publication.

La Division des relevés hydrologiques du Canada est redevable à plusieurs organismes fédéraux et provinciaux, dont les noms apparaissent dans le sommaire de l'année, de l'aide et de la collaboration qu'ils lui ont apportées pour l'obtention des données sur les sédiments. On trouvera également les noms des organismes qui ont fourni des données dans l'*Index de référence des données sur les sédiments*.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when the data were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway.

Revisions to daily discharges or sediment data are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. Revisions, corrections or additions made to discharges and sediment after January 1, 1980, are indicated by an "R" symbol in the data summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

RÉVISIONS

On a corrigé ou révisé des données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calcul lorsqu'on a enregistré les données sur rubans magnétiques et qu'on a recalculé les moyennes mensuelles à l'aide d'un ordinateur. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de certaines données de base au cours de la révision systématique des données historiques sur le débit, actuellement en cours.

Les corrections apportées aux débits journaliers ou aux données sur les sédiments ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont indiquées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données révisées sur les débits mensuels et annuels moyens et les extrêmes annuels du débit. Les révisions, corrections ou ajouts apportés aux données sur les débits et sur les sédiments après le 1er janvier 1980 sont indiqués par la lettre R dans les résumés des données. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

MICROFICHE

All sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

MICROFICHE

Toutes les données sur les sédiments sont disponibles sur microfiche en unités métriques. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, la première et la dernière année des données ainsi que le mois et l'année de création de la fiche. La dernière image donne l'index de la fiche.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre vaut 1.6093 km (kilomètre)

1 cm (centimètre) vaut 0.393 70 pouce
1 m (mètre) vaut 3.2808 pieds
1 km (kilomètre) vaut 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre vaut 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré vaut 2.5900 km^2 (kilomètres carrés)
1 mille carré vaut 259.0 ha (hectares)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) vaut 2.4710 acres
1 km^2 (kilomètre carré) vaut 0.386 10 mille carré

1 pied cube vaut 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial vaut 1.2010 gallon américain
1 gallon américain vaut 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour vaut 1.9835 acre-pied
1 pied cube par seconde pendant un jour couvre un volume d'un mille carré par 0.037 19 pouce
1 acre-pied vaut 1.2335 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde vaut 0.6818 mille par heure
1 mille par heure vaut 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètres par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde vaut 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) vaut 35.315 pieds cubes par seconde

1 livre vaut 0.453 59 kg (kilogramme)
1 kg (kilogramme) vaut 2.2046 livres

1 tonne courte (2000 livres) vaut 0.907 18 t (tonne)
1 t (tonne) vaut 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

BRITISH COLUMBIA

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 49 30 05 N LONG 117 15 38 W
DRAINAGE AREA: 9.07 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING
CONTRIBUTED BY: BRITISH COLUMBIA MINISTRY OF ENVIRONMENT
TOTAL SUSPENDED SEDIMENT LOAD 24.45 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	0.041	2 S	0.01	0.055	2	0.01	0.040	2	0.01	1
2	0.041	3	0.01	0.052	2	0.01	0.039	3	0.01	2
3	0.044	4	0.02	0.048	2	0.01	0.039	3	0.01	3
4	0.052	6	0.04	0.048	1	0	0.038	4 S	0.01	4
5	0.068	4	0.03	0.048	1 S	0	0.038	3	0.01	5
6	0.071	3	0.02	0.048	1	0	0.038	2	0.01	6
7	0.074	3	0.02	0.047	1	0	0.039	1 S	0	7
8	0.078	2 S	0.01	0.047	2	0.01	0.040	1	0	8
9	0.075	2	0.01	0.047	2	0.01	0.043	1	0	9
10	0.073	2	0.01	0.047	2	0.01	0.055	1	0	10
11	0.071	2	0.01	0.048	2	0.01	0.083	1 S	0.01	11
12	0.070	2	0.01	0.048	2 S	0.01	0.088	1	0.01	12
13	0.069	2	0.01	0.048	2	0.01	0.070	1	0.01	13
14	0.064	2	0.01	0.048	2	0.01	0.069	1 S	0.01	14
15	0.067	2 S	0.01	0.048	2	0.01	0.070	2	0.01	15
16	0.084	2	0.01	0.045	1	0	0.074	3	0.02	16
17	0.082	2	0.01	0.044	1	0	0.084	4	0.03	17
18	0.081	2	0.01	0.043	1	0	0.090	4 S	0.03	18
19	0.080	2	0.01	0.042	1 S	0	0.083	6	0.04	19
20	0.059	3	0.02	0.042	1	0	0.085	6	0.04	20
21	0.058	3	0.02	0.043	1	0	0.148	8 S	0.10	21
22	0.057	3 S	0.01	0.043	1	0	0.154	6	0.08	22
23	0.054	3	0.01	0.042	1	0	0.150	3	0.04	23
24	0.053	3	0.01	0.042	1	0	0.147	1	0.01	24
25	0.080	3	0.02	0.041	0	0	0.135	1 S	0.01	25
26	0.058	3	0.01	0.040	0 S	0	0.120	1	0.01	26
27	0.054	3	0.01	0.040	1	0	0.110	1	0.01	27
28	0.055	3	0.01	0.040	1	0	0.105	2 S	0.02	28
29	0.055	3 S	0.01	0.040	2	0.01	0.097	2	0.02	29
30	0.055	3	0.01				0.093	2	0.02	30
31	0.054	2	0.01				0.098	3	0.03	31
TOTAL	1.926		0.42	1.304		0.12	2.527		0.62	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.093	3 S	0.02	0.188	3 S	0.05	0.591	14 S	0.71	1
2	0.091	2	0.02	0.189	3 S	0.05	0.518	8 S	0.40	2
3	0.090	2	0.02	0.182	3 S	0.05	0.478	4 S	0.17	3
4	0.093	1 S	0.01	0.184	4 S	0.06	0.482	5 S	0.20	4
5	0.112	2	0.02	0.177	3 S	0.05	0.500	7 S	0.30	5
6	0.123	2	0.02	0.175	2 S	0.03	0.503	6 S	0.26	6
7	0.118	1	0.01	0.179	2 S	0.03	0.526	7 S	0.32	7
8	0.111	1 S	0.01	0.188	3 S	0.05	0.513	11 S	0.58	8
9	0.108	1	0.01	0.224	3 S	0.08	0.599	13 S	0.79	9
10	0.108	1	0.01	0.218	2 S	0.04	0.585	8 S	0.47	10
11	0.102	1 S	0.01	0.218	2 S	0.04	0.532	5 S	0.27	11
12	0.100	1	0.01	0.262	3 S	0.07	0.518	6 S	0.32	12
13	0.097	2	0.02	0.281	3 S	0.07	0.528	6 S	0.33	13
14	0.097	2	0.02	0.340	9 S	0.28	0.539	7 S	0.39	14
15	0.125	5 S	0.05	0.394	15 S	0.51	0.587	8 S	0.47	15
16	0.223	14 S	0.27	0.436	13 S	0.48	0.593	7 S	0.42	16
17	0.318	10 S	0.27	0.483	8 S	0.36	0.517	4 S	0.21	17
18	0.330	3 S	0.08	0.484	8 S	0.34	0.538	3 S	0.14	18
19	0.316	4 S	0.11	0.495	10 S	0.43	0.478	3 S	0.12	19
20	0.339	4 S	0.12	0.548	12 S	0.57	0.438	3 S	0.11	20
21	0.345	4 S	0.12	0.501	10 S	0.43	0.481	4 S	0.18	21
22	0.351	3 S	0.09	0.471	8 S	0.33	0.446	3 S	0.12	22
23	0.335	2 S	0.06	0.489	15 S	0.88	0.417	1 S	0.04	23
24	0.292	4 S	0.10	0.473	8 S	0.33	0.401	3 S	0.10	24
25	0.272	5 S	0.12	0.440	5 S	0.19	0.381	3 S	0.10	25
26	0.264	5 S	0.13	0.419	5 S	0.18	0.388	2 S	0.08	26
27	0.237	5 S	0.12	0.407	4 S	0.14	0.349	2 S	0.06	27
28	0.226	4 S	0.08	0.418	7 S	0.25	0.338	7 S	0.20	28
29	0.209	3 S	0.05	0.498	11 S	0.47	0.443	12 S	0.46	29
30	0.193	2 S	0.03	0.888	63 S	3.60	0.370	2 S	0.08	30
31				0.720	27 S	1.88				31
TOTAL	5.783		2.01	11.393		12.02	15.818		8.34	TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130

SUSPENDED SEDIMENT FOR 1984

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	0.338	2 S	0.08	0.058	3	0.02	0.028	1	0	1
2	0.304	2 S	0.05	0.057	2	0.01	0.025	0 S	0	2
3	0.285	2 S	0.05	0.056	2	0.01	0.024	0	0	3
4	0.285	3 S	0.07	0.053	2	0.01	0.028	0	0	4
5	0.249	3 S	0.06	0.052	2 S	0.01	0.027	1	0	5
6	0.234	2 S	0.04	0.048	2	0.01	0.045	1	0	6
7	0.219	2 S	0.04	0.051	1	0	0.032	0	0	7
8	0.199	2 S	0.03	0.048	1	0	0.032	0	0	8
9	0.188	2 S	0.03	0.047	1	0	0.032	0 S	0	9
10	0.178	1 S	0.02	0.046	1	0	0.030	0	0	10
11	0.185	1 S	0.01	0.047	1	0	0.035	1	0	11
12	0.153	2 S	0.03	0.045	1 S	0	0.031	0	0	12
13	0.146	3 S	0.04	0.041	1	0	0.027	0	0	13
14	0.136	3 S	0.04	0.039	1	0	0.028	0	0	14
15	0.130	3 S	0.03	0.040	1	0	0.027	0	0	15
16	0.123	2	0.02	0.037	1	0	0.025	0 S	0	16
17	0.118	1	0.01	0.038	1	0	0.025	0	0	17
18	0.113	1 S	0.01	0.035	1	0	0.025	0	0	18
19	0.108	1	0.01	0.032	1 S	0	0.025	0	0	19
20	0.099	1	0.01	0.031	1	0	0.029	0	0	20
21	0.097	2	0.02	0.031	1	0	0.028	0	0	21
22	0.090	2 S	0.02	0.030	1	0	0.027	0	0	22
23	0.085	2	0.01	0.030	1	0	0.025	0 S	0	23
24	0.082	2	0.01	0.028	1	0	0.024	0	0	24
25	0.078	1 S	0.01	0.029	0	0	0.024	0	0	25
26	0.074	2	0.01	0.027	0 S	0	0.024	1	0	26
27	0.071	2	0.01	0.035	0	0	0.023	1	0	27
28	0.068	3	0.02	0.030	0	0	0.021	1	0	28
29	0.067	4 S	0.02	0.028	1	0	0.021	1	0	29
30	0.072	4	0.02	0.028	1	0	0.020	1 S	0	30
31	0.083	3	0.02	0.029	0	0				31
TOTAL	4.590		0.83	1.243		0.07	0.815		0	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.022	1	0	0.018	1	0	0.017	0	0	1
2	0.022	0	0	0.018	1	0	0.017	0 S	0	2
3	0.021	0	0	0.018	1	0	0.017	0	0	3
4	0.021	0	0	0.018	1 S	0	0.018	0	0	4
5	0.021	0	0	0.018	1	0	0.013	0	0	5
6	0.021	0	0	0.018	1	0	0.013	0	0	6
7	0.022	2 S	0	0.017	1	0	0.018	0	0	7
8	0.021	1	0	0.017	1	0	0.017	1	0	8
9	0.021	1	0	0.019	1	0	0.018	1 S	0	9
10	0.020	1	0	0.018	1	0	0.014	1	0	10
11	0.022	1	0	0.018	1 S	0	0.017	1	0	11
12	0.032	2	0.01	0.023	1	0	0.017	1	0	12
13	0.026	2	0	0.049	3	0.01	0.015	1	0	13
14	0.022	2 S	0	0.042	1	0	0.014	1	0	14
15	0.020	1	0	0.028	1	0	0.015	1	0	15
16	0.021	1	0	0.024	0	0	0.015	1	0	16
17	0.022	1	0	0.022	1	0	0.015	1 S	0	17
18	0.021	1	0	0.020	0 S	0	0.013	1	0	18
19	0.020	1	0	0.018	0	0	0.015	1	0	19
20	0.019	1	0	0.019	0	0	0.016	1	0	20
21	0.021	1 S	0	0.019	0	0	0.014	2	0	21
22	0.018	1	0	0.020	0	0	0.013	2	0	22
23	0.018	1	0	0.018	0	0	0.012	2 S	0	23
24	0.017	1	0	0.018	0	0	0.015	2	0	24
25	0.024	1	0	0.018	0	0	0.015	1	0	25
26	0.024	0	0	0.018	0 S	0	0.015	1	0	26
27	0.018	0	0	0.017	0	0	0.015	1	0	27
28	0.018	0 S	0	0.018	0	0	0.015	1	0	28
29	0.020	0	0	0.017	0	0	0.015	1	0	29
30	0.019	0	0	0.018	0	0	0.015	1 S	0	30
31	0.018	1	0				0.015	1	0	31
TOTAL	0.650		0.01	0.818		0.01	0.488		0	TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN 1	15:05	2.0	0.061	8	0.6																DIP
JAN 8	13:53	3.0	0.077	2	0.6												81				DIP
JAN 15	14:48	1.0	0.067	2	0.6																DIP
JAN 22	13:09	1.5	0.058	3	0.6												82				DIP
JAN 29	13:28	2.5	0.055	3	0.6																DIP
FEB 5	15:30	2.0	0.048	1	0.6																DIP
FEB 12	12:44	2.5	0.048	2	0.6												80				DIP
FEB 19	14:54	2.5	0.042	1	0.6																DIP
FEB 26	14:50	2.0	0.040	0	0.6												83				DIP
MAR 4	12:21	1.0	0.038	4	0.6																DIP
MAR 7	12:54	2.1	0.039	0	0.6												85				DIP
MAR 11	16:20	2.5	0.083	0	0.6												78				DIP
MAR 14	13:29	2.2	0.088	1	0.6																DIP
MAR 18	13:30	3.5	0.091	5	0.6																DIP
MAR 21	13:45	3.8	0.127	9	0.6																DIP
MAR 25	10:25	3.0	0.136	1	0.6												84				DIP
MAR 28	08:14	3.0	0.105	2	0.6																DIP
APR 1	13:13	3.3	0.093	3	0.6																DIP
APR 4	17:48	3.8	0.093	1	0.6																DIP
APR 8	15:48	3.0	0.110	1	0.6												86				DIP
APR 11	10:35	3.0	0.101	2	0.6																DIP
APR 15	21:10	4.0	0.182	8	0.6																DIP
APR 16	15:30	4.0	0.237	14	--- X																DIP
APR 17	13:38	4.0	0.321	8	0.6																DIP
APR 18	11:15	4.0	0.316	3	0.6																DIP
APR 19	17:27	4.0	0.317	4	0.6																DIP
APR 20	16:30	4.5	0.343	4	0.6																DIP
APR 21	17:35	4.5	0.351	4	0.6																DIP
APR 22	15:55	4.5	0.348	3	0.6												57				DIP
APR 23	14:50	4.3	0.320	1	0.6												71				DIP
APR 24	14:00	4.0	0.280	4	0.6																DIP
APR 25	15:35	4.0	0.269	4	0.6																DIP
APR 26	18:04	4.0	0.248	8	0.6																DIP
APR 27	18:40	3.5	0.237	5	0.6																DIP
APR 28	14:28	4.0	0.226	3	0.6																DIP
APR 29	18:35	3.8	0.204	3	0.6																DIP
APR 30	16:25	4.0	0.191	2	0.6																DIP
MAY 1	17:45	4.5	0.187	3	0.6																DIP
MAY 2	17:05	4.0	0.208	3	0.6												63				DIP
MAY 3	17:30	4.3	0.189	3	0.6																DIP
MAY 4	14:20	4.0	0.184	4	0.6																DIP
MAY 5	13:35	4.0	0.177	3	0.6																DIP
MAY 6	11:03	4.5	0.175	2	0.6																DIP
MAY 7	15:50	4.8	0.178	3	0.6																DIP
MAY 8	17:05	4.0	0.186	3	0.6																DIP
MAY 9	18:02	4.0	0.223	3	0.6												68				DIP
MAY 10	15:50	4.5	0.218	2	0.6																DIP
MAY 11	16:20	4.0	0.218	2	0.6																DIP
MAY 12	16:45	4.5	0.272	2	0.6																DIP
MAY 13	20:05	4.5	0.298	3	0.6																DIP
MAY 14	13:30	4.5	0.350	11	0.6																DIP
MAY 15	15:20	4.5	0.403	16	0.6																DIP
MAY 16	12:45	4.8	0.423	11	0.6																DIP
MAY 17	10:34	4.5	0.483	8	MULT M																DIP
MAY 17	10:48	4.5	0.483	7	0.6																DH48
MAY 17	11:50	4.5	0.481	10	0.6												55				DIP
MAY 18	12:10	5.0	0.487	8	0.6																DIP
MAY 19	09:30	4.5	0.482	9	0.6																DIP
MAY 20	14:02	4.8	0.547	11	0.6												60				DIP
MAY 21	16:48	4.8	0.486	9	0.6																DIP
MAY 22	15:10	5.0	0.488	8	0.6																DIP
MAY 23	16:35	5.0	0.503	15	0.6																DIP
MAY 24	15:10	5.0	0.488	7	0.6																DIP
MAY 25	14:55	5.0	0.434	5	0.6																DIP
MAY 26	11:25	4.5	0.419	5	0.6																DIP
MAY 27	16:40	5.5	0.418	5	0.6																DIP
MAY 28	13:30	5.0	0.417	5	0.6																DIP
MAY 29	08:25	4.8	0.480	8	0.6																DIP
MAY 30	13:25	5.8	0.729	51	0.6																DIP
MAY 30	15:00	5.8	0.756	92	MULT M																DIP
MAY 30	15:09	5.6	0.763	71	0.6																DIP
MAY 30	15:11	5.8	0.783	83	0.6												78				DH48
MAY 31	07:05	4.5	0.742	30	0.6																DIP
JUN 1	15:25	5.0	0.576	14	0.6																DIP
JUN 2	12:45	5.0	0.509	9	0.6																DIP
JUN 3	16:35	5.0	0.488	6	0.6												75				DIP
JUN 4	19:15	5.0	0.474	8	0.6												71				DIP
JUN 5	17:35	5.0	0.529	8	0.6																DIP
JUN 6	15:05	5.0	0.510	6	0.6																DIP
JUN 7	15:05	5.5	0.536	8	0.6																DIP
JUN 8	14:04	5.0	0.537	12	0.6												--				DIP
JUN 9	14:05	5.0	0.711	14	0.6																DIP
JUN 10	18:15	5.5	0.575	5	0.6																DIP
JUN 11	18:10	5.5	0.630	126 C	0.6																DIP
JUN 12	08:50	6.0	0.803	8	0.6																DIP
JUN 13	08:03	6.0	0.820	6	0.6																DIP
JUN 14	07:20	5.5	0.817	7	0.6																DIP
JUN 15	08:00	6.0	0.885	8	0.6																DIP
JUN 16	19:10	7.0	0.884	6	0.6												71				DIP
JUN 17	10:30	6.5	0.817	4	0.6																DIP
JUN 18	09:05	6.0	0.563	4	0.6																DIP
JUN 19	08:50	6.0	0.492	3	0.6																DIP
JUN 20	09:05	6.5	0.440	3	0.6																DIP
JUN 21	08:45	6.5	0.418	1	0.6																DIP
JUN 22	08:55	7.0	0.450	4	0.6																DIP
JUN 23	18:44	8.0	0.418	1	0.6																DIP
JUN 24	16:30	8.0	0.402	4	0.6												85				DIP
JUN 25	14:41	8.0	0.378	2	0.6																DIP
JUN 26	10:17	8.0	0.383	2	0.6																DIP
JUN 27	10:17	8.0	0.348	2	0.6												93				DIP
JUN 28	11:55	8.0	0.331	6	0.6																DIP
JUN 29	19:13	7.0	0.427	3	0.6																DIP
JUN 30	10:15	7.0	0.372	2	0.6																DIP

NOTE : SINGLE VERTICAL LOCATED AT 0.6 METRES

CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JUL 1	12:51	7.0	0.343	2	0.6																DIP
JUL 2	09:45	7.0	0.306	2	0.6																DIP
JUL 3	17:55	8.0	0.261	2	0.6																DIP
JUL 4	12:45	9.0	0.283	3	0.6																DIP
JUL 5	14:25	9.5	0.247	3	0.6																DIP
JUL 6	15:20	8.0	0.230	2	0.6																DIP
JUL 7	15:20	7.5	0.216	2	0.6																DIP
JUL 8	17:40	8.0	0.184	2	0.6												58				DIP
JUL 9	15:55	9.5	0.184	2	0.6																DIP
JUL 10	16:55	10.0	0.172	1	0.6																DIP
JUL 11	08:02	7.5	0.155	0	0.6																DIP
JUL 12	17:15	9.0	0.150	2	0.6																DIP
JUL 13	17:01	9.0	0.143	3	0.6																DIP
JUL 14	16:45	10.0	0.133	2	0.6												65				DIP
JUL 15	20:39	9.0	0.128	4	0.6																DIP
JUL 18	08:50	10.0	0.115	1	0.6																DIP
JUL 22	14:50	10.0	0.089	2	0.6																DIP
JUL 25	10:45	11.0	0.078	1	0.6																DIP
JUL 29	17:20	12.0	0.088	4	0.6												70				DIP
AUG 5	17:37	11.0	0.085	1	0.6																DIP
AUG 12	17:50	11.0	0.044	0	0.6																DIP
AUG 19	13:30	9.0	0.032	1	0.6												83				DIP
AUG 26	20:05	10.0	0.026	0	0.6																DIP
SEP 2	14:02	10.0	0.024	0	0.6												80				DIP
SEP 9	15:52	10.0	0.033	0	0.6																DIP
SEP 16	08:00	9.0	0.024	0	0.6												81				DIP
SEP 23	13:15	8.0	0.025	0	0.6																DIP
SEP 30	17:56	8.0	0.020	0	0.6												78				DIP
OCT 7	12:53	8.0	0.022	3	0.6																DIP
OCT 14	15:35	8.0	0.021	2	0.6												79				DIP
OCT 21	15:57	5.0	0.021	1	0.6																DIP
OCT 28	08:20	5.0	0.017	0	0.6												79				DIP
NOV 4	12:32	5.0	0.018	1	0.6																DIP
NOV 11	14:45	5.0	0.018	1	0.6												80				DIP
NOV 18	12:48	3.5	0.018	0	0.6																DIP
NOV 26	13:30	4.0	0.018	0	0.6												78				DIP
DEC 2	13:45	2.5	0.016	0	0.6																DIP
DEC 9	13:32	2.0	0.018	1	0.6												85				DIP
DEC 17	18:20	1.5	0.014	1	0.6																DIP
DEC 23	14:45	2.0	0.012	2	0.6												87				DIP
DEC 30	15:20	1.5	0.014	1	0.6																DIP
																	80				DIP

NOTE : SINGLE VERTICAL LOCATED AT 0.6 METRES

ANDERSON CREEK NEAR NELSON - STATION NO. 08NJ130

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1983	JAN-DEC	M-C	90	MAY 28	0	JAN 09 *	8.79	MAY 28 *	47.7	*	0.13	0.13	---
1984	JAN-DEC	M-C	135	JUN 11 *	0	FEB 26	3.80	MAY 30	23.5		0.07	0.10	30.0

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

ARROW CREEK NEAR ERICKSON - STATION NO. 08NH084

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 49 09 32 N LONG 116 27 04 W
DRAINAGE AREA: 78.7 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: MANUAL

TOTAL SUSPENDED SEDIMENT LOAD 880.06 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.640 B	0	0	0.514	3	0.13	0.419	0 S	0	1
2	0.670 B	0	0	0.511	3 S	0.13	0.419	0	0	2
3	0.720 B	1	0.05	0.505	3	0.13	0.408	1	0.04	3
4	0.900 B	5	0.39	0.495	3	0.13	0.389	0	0	4
5	1.00 B	7 S	0.60	0.495	3	0.13	0.408	0	0	5
6	0.720 B	3	0.18	0.495	2	0.09	0.407	0	0	6
7	0.648	3	0.17	0.495	2	0.09	0.417	1	0.04	7
8	0.603	3	0.18	0.489	1	0.04	0.437	1	0.04	8
9	0.570	3	0.15	0.495	1	0.04	0.482	1	0.04	9
10	0.584	3	0.15	0.489	1	0.04	0.603	2	0.10	10
11	0.549	3	0.14	0.489	1	0.04	0.884	3	0.18	11
12	0.545	2	0.09	0.489	2	0.08	0.702	3	0.18	12
13	0.528	2	0.09	0.482	2	0.08	0.694	3	0.18	13
14	0.510 B	2	0.09	0.480	2	0.08	0.670	2	0.12	14
15	0.490 B	2	0.08	0.484	2	0.08	0.857	2	0.11	15
16	0.470 B	1	0.04	0.455	1	0.04	0.874	2	0.12	16
17	0.450 B	1	0.04	0.441	1	0.04	0.710	2	0.12	17
18	0.430 B	1	0.04	0.450	1	0.04	0.710	2	0.12	18
19	0.420 B	1	0.04	0.444	1	0.04	0.705	2	0.12	19
20	0.410 B	1	0.04	0.442	1	0.04	0.723	2	0.12	20
21	0.420 B	1	0.04	0.451	1	0.04	1.10	5	0.48	21
22	0.430 B	1	0.04	0.451	1	0.04	1.20	3	0.31	22
23	0.450 B	1	0.04	0.439	1	0.04	1.18	4	0.41	23
24	0.494	2	0.09	0.434	1	0.04	1.15	3	0.30	24
25	0.614	4	0.21	0.430	1	0.04	1.11	3	0.29	25
26	0.530	3	0.14	0.425	1	0.04	1.05	2	0.18	26
27	0.524	3	0.14	0.416	1	0.04	0.970	1	0.08	27
28	0.536	3	0.14	0.428	1	0.04	0.975	1	0.08	28
29	0.526	3	0.14	0.420	1	0.04	0.941	1	0.08	29
30	0.512	3	0.13				0.931	1	0.08	30
31	0.511	3	0.13				0.911	1	0.08	31
TOTAL	17.385		3.80	13.513		1.87	22.848		4.00	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.910	1	0.08	1.74	1	0.15	8.00	25	17.3	1
2	0.879	1	0.08	1.82	1	0.15	6.48	30	16.8	2
3	1.02	1	0.09	1.77	1	0.15	5.73	36 S	17.6	3
4	1.05	1 S	0.09	1.72	1	0.15	5.84	11	5.27	4
5	1.15	3	0.30	1.74	1	0.15	7.18	3 S	1.86	5
6	1.22	3	0.32	1.74	1 S	0.15	7.51	4	2.60	6
7	1.15	3	0.31	1.78	1	0.15	7.80	5	3.37	7
8	1.16	1 S	0.10	1.84	1 S	0.15	10.5	44	39.8	8
9	1.14	1	0.10	2.44	4 S	0.84	11.8	41	40.7	9
10	1.11	1	0.10	2.43	1	0.21	9.65	84 S	46.6	10
11	1.07	1	0.09	2.40	1 S	0.21	8.11	17	11.9	11
12	1.01	1	0.09	2.40	1	0.21	8.32	10 S	7.19	12
13	0.978	1	0.08	2.55	2 S	0.44	8.52	10	7.36	13
14	0.988	2	0.17	3.30	5	1.43	8.72	10	8.40	14
15	1.32	3 S	0.34	3.83	5	1.85	11.5	9 S	8.84	15
16	2.21	7	1.34	3.52	2 S	0.88	10.8	11	10.3	16
17	3.36	11	3.19	3.72	2	0.84	8.30	11 S	7.89	17
18	3.38	10	2.93	3.58	2	0.82	7.08	9	5.61	18
19	3.77	11	3.58	4.09	7	2.47	6.86	8 S	3.45	19
20	4.38	13	4.92	8.74	21 S	10.4	8.26	5	3.26	20
21	4.26	9 S	3.31	5.28	14	5.38	8.29	19 S	13.6	21
22	3.68	8	2.01	4.73	7 S	2.86	8.60	9 S	5.29	22
23	3.36	4	1.17	5.03	5	2.81	5.81	5	3.43	23
24	3.01	2 S	0.52	5.07	5 S	2.63	5.57	5 S	3.41	24
25	2.70	2	0.47	4.57	5	1.97	5.81	5	2.42	25
26	2.40	2	0.41	4.27	4	1.48	5.26	5	2.26	26
27	2.19	1	0.19	4.16	4 S	1.42	4.71	5 S	2.03	27
28	2.09	1	0.16	4.34	11	4.12	4.27	5	1.84	28
29	1.82	1 S	0.17	5.70	34 S	18.7	4.55	5	2.36	29
30	1.79	1	0.16	9.80	112 S	84.8	3.88	4	1.27	30
31				11.8	48 S	48.1				31
TOTAL	81.046		26.87	118.95		305.05	218.75		301.72	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

ARROW CREEK NEAR ERICKSON - STATION NO. 08NH084

SUSPENDED SEDIMENT FOR 1984

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	3.15	3 S	0.82	0.746	2	0.13	0.442	2	0.08	1
2	2.85	3	0.76	0.723	2	0.12	0.442	2 S	0.08	2
3	2.81	2	0.48	0.704	2	0.12	0.425	2	0.07	3
4	2.65	2	0.46	0.682	2	0.12	0.434	2	0.07	4
5	2.55	2 S	0.44	0.673	2 S	0.12	0.432	2	0.07	5
6	2.33	2	0.40	0.672	2	0.12	0.815	4	0.21	6
7	2.10	2	0.36	0.638	2	0.11	0.520	2	0.09	7
8	1.97	3	0.51	0.626	1	0.05	0.546	4	0.18	8
9	1.84	3	0.48	0.610	1	0.05	0.534	2 S	0.09	9
10	1.73	3 S	0.45	0.804	1	0.05	0.458	1	0.04	10
11	1.63	3	0.42	0.591	1	0.05	0.468	2	0.08	11
12	1.58	2	0.27	0.578	1 S	0.05	0.518	3	0.13	12
13	1.51	1	0.13	0.566	1	0.05	0.531	2	0.09	13
14	1.42	1	0.12	0.555	2	0.10	0.463	1	0.04	14
15	1.36	0 S	0	0.543	2 S	0.09	0.444	1	0.04	15
16	1.28	0	0	0.521	2	0.09	0.427	1 S	0.04	16
17	1.21	0	0	0.519	2	0.09	0.425	1	0.04	17
18	1.17	0	0	0.556	3	0.14	0.422	1	0.04	18
19	1.11	0	0	0.547	2 S	0.09	0.404	2 S	0.07	19
20	1.08	0	0	0.516	2	0.09	0.552	4	0.19	20
21	1.06	0	0	0.501	2	0.09	0.633	4	0.22	21
22	1.02	0 S	0	0.492	2	0.09	0.701	3	0.18	22
23	0.956	0	0	0.483	2	0.08	0.528	1 S	0.05	23
24	0.912	0	0	0.477	2	0.08	0.463	1	0.04	24
25	0.877	0	0	0.472	2	0.08	0.456	1	0.04	25
26	0.850	0	0	0.456	2 S	0.08	0.458	1	0.04	26
27	0.844	0	0	0.480	2	0.08	0.459	1	0.04	27
28	0.820	1	0.07	0.487	3	0.13	0.427	0	0	28
29	0.800	2 S	0.14	0.458	2	0.08	0.437	0	0	29
30	0.808	2	0.14	0.458	2	0.08	0.440	0 S	0	30
31	0.768	2	0.13	0.455	2	0.08				31
TOTAL	47.155		8.59	17.386		2.78	14.503		2.36	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.440	0	0	0.386 B	1	0.03	0.352	2	0.08	1
2	0.435	0	0	0.376 B	1	0.03	0.321	2	0.06	2
3	0.435	0	0	0.422 B	2	0.07	0.300 B	2	0.05	3
4	0.418	0	0	0.423	2	0.07	0.280 B	2	0.05	4
5	0.426	0	0	0.388	2	0.07	0.276 B	2	0.05	5
6	0.403	0	0	0.389	2	0.07	0.288 B	2	0.05	6
7	0.404	0 S	0	0.389	2	0.07	0.272 B	2	0.05	7
8	0.397	0	0	0.389	1	0.03	0.284 B	2	0.05	8
9	0.385	0	0	0.382	1	0.03	0.295 B	2	0.05	9
10	0.387	0	0	0.373	1	0.03	0.305 B	2	0.05	10
11	0.400	0	0	0.383	1	0.03	0.300 B	2	0.05	11
12	0.487	3	0.13	0.489	3	0.13	0.298 B	2 S	0.05	12
13	0.478	2 S	0.08	0.583	3 S	0.15	0.295 B	2	0.05	13
14	0.434	2	0.07	0.611	2	0.11	0.300 B	2	0.05	14
15	0.408	2	0.07	0.488	2	0.08	0.305 B	2	0.05	15
16	0.413	2	0.07	0.424	2	0.07	0.300 B	2	0.05	16
17	0.405	2	0.07	0.414	2	0.07	0.294 B	2	0.05	17
18	0.389	2	0.07	0.387	2	0.07	0.286 B	2	0.05	18
19	0.386	2	0.07	0.386	2	0.07	0.282 B	2	0.05	19
20	0.378	2	0.07	0.385	2	0.07	0.283 B	2	0.05	20
21	0.385	2 S	0.07	0.387	2	0.07	0.289 B	2	0.05	21
22	0.393	2	0.07	0.383	2	0.07	0.300 B	2	0.05	22
23	0.370	2	0.06	0.384	2	0.07	0.306 B	2	0.05	23
24	0.382	2	0.07	0.377	2	0.07	0.300	2	0.05	24
25	0.432	3	0.11	0.361	2	0.06	0.309	2	0.05	25
26	0.408	2	0.07	0.332	2	0.06	0.309	2	0.05	26
27	0.388	2 S	0.07	0.377	2	0.07	0.304	2	0.05	27
28	0.387	2	0.07	0.368	2	0.06	0.300	2	0.05	28
29	0.384	2	0.07	0.350	2	0.06	0.300	2	0.05	29
30	0.380	1	0.03	0.350	2	0.06	0.290 B	2	0.05	30
31	0.350 B	1	0.03				0.280 B	2	0.05	31
TOTAL	12.593		1.42	12.134		2.00	9.188		1.57	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

ARROW CREEK NEAR ERICKSON - STATION NO. 08NN084

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE VERTICAL SAMPLING (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JAN 5	14:40	0.1	1.00 W	5	MID																DH48
FEB 2	11:00	2.0	0.506	3	MID																DH48
MAR 1	11:30	2.0	0.421	0	MID																DH48
APR 4	11:10	3.0	1.04	1	MID												78				DH48
APR 8	15:00	4.0	1.18	1	3ORB X												58				DH48
APR 15	11:52	4.0	1.14	1	3ORB X												75				DH48
APR 21	09:40	4.0	4.22	8	10RB X																DH48
APR 24	18:30	4.0	2.81	2	10RB X												80				DH48
APR 29	14:00	5.0	1.92	1	3ORB X												82				DH48
MAY 6	12:00	4.0	1.72	1	3ORB X																DH48
MAY 8	13:00	5.0	1.82	1	MID																DH48
MAY 9	19:10	4.5	2.50	1	10RB X												83				DH48
MAY 11	19:44	4.0	2.41	1	10RB X																DH48
MAY 13	15:18	7.0	2.49	1	10RB X																DH48
MAY 16	19:52	4.0	3.86	2	10RB X																DH48
MAY 20	12:49	5.0	5.89	20	10RB X																DH48
MAY 22	19:41	5.0	4.80	6	10RB X																DH48
MAY 24	19:38	5.0	5.01	6	10RB X																DH48
MAY 27	15:30	8.0	4.06	3	10RB X																DH48
MAY 29	20:29	7.0	7.52	70	10RB X																DH48
MAY 30	18:15	6.0	11.4	127	MID												44				DH59
MAY 31	13:10	5.0	12.0	27	MID												45				DH59
JUN 3	14:47	7.0	5.45	35	MID																DH59
JUN 5	19:41	7.0	7.83	4	MID												42				DH59
JUN 10	12:41	7.0	9.80	59	MID																DH59
JUN 12	19:33	8.0	8.78	11	MID																DH59
JUN 15	19:27	7.0	12.1	9	MID												46				DH59
JUN 17	19:57	7.0	7.87	11	MID																DH59
JUN 18	19:34	8.0	8.73	6	MID																DH59
JUN 21	14:00	6.5	8.44	23	MID												49				DH59
JUN 22	18:30		8.15	5	MID																DH59
JUN 24	19:40	8.0	6.05	6	MID																DH59
JUN 27	18:48	10.0	4.70	5	MID																DH59
JUL 1	18:00	10.0	3.11	3	MID																DH59
JUL 5	19:51	9.0	2.55	2	MID												53				DH59
JUL 10	12:55	10.5	1.72	3	10RB X												51				DH48
JUL 15	15:00	13.0	1.34	0	MID																DH48
JUL 22	10:00	9.0	1.04	0	MID												58				DH48
JUL 29	12:18	8.0	0.802	2	MID												75				DH48
AUG 5	11:27	12.0	0.688	2	MID																DH48
AUG 12	12:24	12.0	0.577	1	MID												68				DH48
AUG 15	13:25	12.0	0.584	2	MID												85				DH48
AUG 19	11:00	12.0	0.555	2	MID																DH48
AUG 26	11:21	11.0	0.469	2	MID												71				DH48
SEP 2	13:00	10.0	0.445	2	MID																DH48
SEP 9	12:00	10.0	0.534	1	MID												59				DH48
SEP 16	13:38	8.0	0.426	1	MID																DH48
SEP 19	13:40	10.0	0.410	2	MID												90				DH48
SEP 23	11:00	8.0	0.518	1	MID																DH48
SEP 30	11:44	5.0	0.440	0	MID												63				DH48
OCT 7	11:28	7.0	0.406	0	MID																DH48
OCT 13	14:38	6.0	0.484	2	MID												63				DH48
OCT 21	16:48	3.0	0.378	2	MID																DH48
OCT 27	12:32	2.0	0.384	2	MID												67				DH48
NOV 13	12:00		0.545	2	MID												75				DH48
DEC 12	12:45	0.1	0.299 W	2	MID												78				DH48

NOTE : SINGLE VERTICAL LOCATED AT MIDSTREAM

DISCHARGE SYMBOL(S): W - DAILY MEAN, ICE CONDITIONS
VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL

ARROW CREEK NEAR ERICKSON - STATION NO. 08NN084

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1979	JAN-DEC	M-C	30	APR 28	0	FEB 08 *	28.9	MAY 25	239		0.88	0.88	---
1980	JAN-DEC	M-C	33	MAY 07	0	JAN 03	39.4	APR 29	286		0.78	0.72	8.3
1981	JAN-DEC	M-C	34	MAY 27	0	FEB 16	53.2	MAY 26	771		2.11	1.18	39.4
1982	JAN-DEC	M-C	84	JUN 15	0	FEB 08	102	JUN 14 *	888		2.46	1.80	30.5
1983	JAN-DEC	M-C	49	MAY 29	0	FEB 11	77.1	MAY 29	801	*	2.47	1.70	23.8
1984	JAN-DEC	M-C	127	MAY 30 *	0	MAR 1	94.8	MAY 30	559		1.53	1.87	19.8

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

BOWSER RIVER AT BERENDON GLACIER - STATION NO. 08DA008

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1987	AUG-SEP #	M-MS	1 780	AUG 26 *	115	AUG 24	---		---	---	---	---
1988	AUG-AUG	M-S	152	AUG 02	61	AUG 22 *	327	AUG 01 *	3 859 *	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB042

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 48 54 55 N LONG 124 59 52 W
DRAINAGE AREA: 10.1 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 307.42 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

	JAN			FEB			MAR			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	1.13	2 S	0.20	0.314	2 S	0.05	2.01	2 S	0.35	1
2	6.97	17 S	10.2	0.261	2 S	0.04	1.41	2 S	0.24	2
3	11.5	11 S	10.9	0.224	2 S	0.04	0.873	2 S	0.12	3
4	20.0	88 S	152	0.181	2 S	0.03	0.404	2	0.07	4
5	2.02	8 S	1.40	0.179	2	0.03	0.310	2 S	0.05	5
6	1.00	5 S	0.43	0.157	2 S	0.03	0.258	2 S	0.04	6
7	0.849	2	0.15	0.147	2	0.03	0.227	5 S	0.12	7
8	1.30	12 S	1.35	0.488	4 S	0.17	0.186	5 S	0.08	8
9	1.11	10 S	0.98	4.29	6 S	2.22	0.168	4 S	0.05	9
10	1.34	5 S	0.58	3.09	2 S	0.53	0.180	4	0.06	10
11	0.905	2 S	0.18	3.33	3 S	0.88	0.210	4	0.07	11
12	0.626	3 S	0.16	3.51	3 S	0.94	0.844	5 S	0.22	12
13	0.467	3 S	0.12	2.07	1 S	0.18	0.691	4 S	0.24	13
14	0.359	3 S	0.08	1.24	2 S	0.21	0.576	2 S	0.10	14
15	0.302	3	0.08	1.43	5 S	0.82	0.401	3 S	0.10	15
16	0.245	2 S	0.04	0.660	4 S	0.23	0.441	3 S	0.11	16
17	0.193	1 S	0.02	0.401	3 S	0.10	1.41	7 S	0.85	17
18	0.184	1 S	0.01	0.336	2 S	0.08	2.85	4 S	1.02	18
19	0.156	2 S	0.03	2.87	5 S	1.15	1.28	2 S	0.32	19
20	0.148	2 S	0.03	5.89	8 S	3.82	3.09	4 S	1.07	20
21	0.188	3 S	0.04	1.47	3 S	0.38	2.88	3 S	0.75	21
22	2.02	5	0.87	1.45	4 S	0.50	1.87	1 S	0.17	22
23	2.44	7	1.48	1.14	2 S	0.20	1.85	1 S	0.18	23
24	4.69	6 S	2.43	0.678	2 S	0.12	0.867	1 S	0.07	24
25	3.25	4 S	1.12	0.458	2 S	0.08	1.21	4	0.42	25
26	1.80	4 S	0.55	0.510	2	0.09	0.858	3 S	0.22	26
27	3.02	3 S	0.78	3.62	3 S	0.94	0.498	2 S	0.09	27
28	2.54	2 S	0.44	2.32	3 S	0.60	0.759	2 S	0.13	28
29	1.19	2 S	0.21	1.77	2 S	0.31	0.498	1 S	0.04	29
30	0.841	3 S	0.17				0.348	1 S	0.03	30
31	0.432	2 S	0.07				0.286	2 S	0.05	31
TOTAL	72.775		187.07	45.482		14.38	29.502		7.38	TOTAL

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	0.218	2	0.04	0.695	5 S	0.28	0.171	1 S	0.01	1
2	0.188	3 S	0.05	0.682	4 S	0.24	0.158	1	0.01	2
3	0.298	3 S	0.08	0.650	4 S	0.22	0.158	1	0.01	3
4	0.341	5 S	0.15	0.381	3 S	0.10	0.229	1 S	0.02	4
5	0.226	3 S	0.06	0.297	2	0.05	0.211	1 S	0.02	5
6	0.185	4 S	0.07	0.284	2	0.05	0.188	1	0.02	6
7	0.834	5 S	0.27	0.223	1	0.02	0.166	1	0.01	7
8	1.08	8	0.57	0.528	5 S	0.23	0.183	1 S	0.01	8
9	2.47	7 S	1.48	1.84	8 S	1.13	0.215	1 S	0.02	9
10	2.61	2 S	0.45	1.85	8 S	1.35	0.173	1	0.01	10
11	2.24	3 S	0.58	1.72	7 S	1.04	0.152	1 S	0.01	11
12	3.11	4 S	1.07	1.05	4 S	0.36	0.135	1	0.01	12
13	1.36	4 S	0.47	0.781	4	0.28	0.122	1 S	0.01	13
14	1.41	4 S	0.49	1.39	7 S	0.84	0.115	1 S	0.01	14
15	1.59	5 S	0.85	0.988	3 S	0.28	0.108	1 S	0.01	15
16	1.05	5 S	0.45	0.483	2	0.08	0.100	1 S	0.01	16
17	0.585	5 S	0.25	0.348	3 S	0.08	0.083	1	0.01	17
18	0.825	6 S	0.43	0.603	3 S	0.13	0.078	1 S	0.01	18
19	0.910	4 S	0.31	4.27	7 S	2.58	0.077	2	0.01	19
20	0.588	3 S	0.15	1.88	0 S	0	0.078	2 S	0.01	20
21	0.515	3 S	0.09	1.01	0 S	0	0.074	2	0.01	21
22	1.41	4 S	0.49	0.847	1 S	0.07	0.074	2 S	0.01	22
23	1.27	3 S	0.33	1.19	1	0.10	0.070	2 S	0.01	23
24	0.547	3 S	0.14	0.988	1 S	0.08	0.088	2	0.01	24
25	0.384	4 S	0.12	0.820	1 S	0.08	0.083	2	0.01	25
26	0.258	4 S	0.09	1.28	1 S	0.11	0.083	2 S	0.02	26
27	0.205	4 S	0.07	0.578	0	0	0.138	1 S	0.01	27
28	0.180	4 S	0.06	0.378	0 S	0	0.388	1 S	0.03	28
29	0.184	4	0.05	0.287	1 S	0.02	0.415	1 S	0.04	29
30	0.271	4	0.09	0.234	0 S	0	0.348	2 S	0.08	30
31				0.193	1 S	0.02				31
TOTAL	27.087		8.86	28.007		9.72	4.893		0.45	TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048

SUSPENDED SEDIMENT FOR 1984

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	1.57	3 S	0.41	0.043	1 S	0	0.021	1	0	1
2	0.728	1 S	0.06	0.041	1	0	0.022	1	0	2
3	0.338	1 S	0.03	0.038	1	0	0.023	2	0	3
4	0.244	1	0.02	0.035	1	0	0.026	2 S	0	4
5	0.345	1 S	0.03	0.037	1	0	0.413	4 S	0.14	5
6	0.276	1 S	0.02	0.038	1	0	0.240	1 S	0.02	6
7	0.181	2	0.03	0.039	1	0	0.138	1 S	0.01	7
8	0.159	2	0.03	0.037	1	0	0.702	3 S	0.18	8
9	0.137	2 S	0.02	0.034	1	0	0.318	1	0.03	9
10	0.120	2 S	0.02	0.030	1 S	0	0.190	1 S	0.02	10
11	0.113	2	0.02	0.032	1 S	0	0.143	1 S	0.01	11
12	0.108	2	0.02	0.028	1	0	0.288	2 S	0.05	12
13	0.097	2 S	0.02	0.031	1	0	0.280	2 S	0.04	13
14	0.087	2 S	0.02	0.028	1 S	0	0.184	2 S	0.03	14
15	0.080	2	0.01	0.026	1	0	0.248	3 S	0.08	15
16	0.076	2	0.01	0.023	1 S	0	1.80	4	0.52	16
17	0.074	2	0.01	0.032	1 S	0	1.21	2 S	0.21	17
18	0.074	2 S	0.01	0.040	1 S	0	1.04	2 S	0.18	18
19	0.067	2 S	0.01	0.048	1	0	0.477	2 S	0.08	19
20	0.059	1	0.01	0.040	1	0	0.281	1 S	0.02	20
21	0.056	1 S	0	0.037	1 S	0	0.178	1	0.02	21
22	0.059	1	0.01	0.028	1 S	0	0.148	1 S	0.01	22
23	0.058	1	0.01	0.031	1	0	0.122	1	0.01	23
24	0.056	1 S	0	0.030	1	0	0.102	1	0.01	24
25	0.052	1	0	0.026	1 S	0	0.095	1 S	0.01	25
26	0.055	1 S	0	0.021	1	0	0.077	1	0.01	26
27	0.055	1 S	0	0.024	1	0	0.074	1 S	0.01	27
28	0.048	1	0	0.025	1	0	0.069	1 S	0.01	28
29	0.044	1	0	0.022	1 S	0	0.066	2 S	0.01	29
30	0.043	1 S	0	0.026	1 S	0	0.062	2	0.01	30
31	0.044	1 S	0	0.026	1 S	0				31
TOTAL	5.512		0.83	1.005		0	8.854		1.71	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.059	1	0.01	0.856	4 S	0.30	0.434	3 S	0.11	1
2	0.059	1 S	0.01	5.29	6 S	2.74	0.328	3	0.09	2
3	0.059	1	0.01	4.28	3 S	1.10	0.257	3	0.07	3
4	0.180	1 S	0.01	2.36	3 S	0.61	0.198	3	0.05	4
5	0.238	1 S	0.02	1.02	3	0.26	0.177	3 S	0.05	5
6	0.186	2 S	0.03	1.29	3 S	0.33	0.175	3	0.05	6
7	13.2	14 S	15.0	2.26	2 S	0.39	5.17	8 S	3.57	7
8	8.29	14 S	10.0	0.889	1 S	0.09	1.63	5 S	0.70	8
9	10.0	10 S	8.64	1.78	3 S	0.46	0.930	8	0.46	9
10	4.67	3 S	1.21	1.23	2 S	0.21	1.13	5 S	0.59	10
11	1.89	1 S	0.17	1.13	2	0.20	0.618	5	0.27	11
12	3.18	2 S	0.55	2.81	3 S	0.75	0.705	7 S	0.43	12
13	3.12	2 S	0.54	1.88	2	0.29	0.845	7 S	0.51	13
14	1.43	3	0.37	0.615	1	0.05	8.89	14 S	10.5	14
15	0.827	3 S	0.18	0.391	1	0.03	1.34	5 S	0.58	15
16	0.382	2 S	0.07	0.294	1	0.03	0.588	6	0.29	16
17	0.306	1 S	0.03	0.735	4 S	0.25	0.344	6	0.18	17
18	0.227	2 S	0.04	2.50	5 S	1.08	0.259	7	0.16	18
19	0.193	3 S	0.05	3.66	5 S	1.57	0.209	7	0.13	19
20	0.189	3 S	0.04	1.42	4 S	0.49	0.203	6 S	0.14	20
21	0.168	3	0.04	0.573	3 S	0.15	0.248	8	0.17	21
22	0.131	2 S	0.02	0.389	3 S	0.10	0.305	7	0.18	22
23	0.143	3 S	0.04	3.01	5 S	1.56	0.288	7	0.18	23
24	0.221	3 S	0.08	1.18	4 S	0.41	0.283	7	0.16	24
25	3.01	6 S	1.30	1.14	5	0.48	0.211	7	0.13	25
26	1.31	3 S	0.34	0.788	4 S	0.27	0.185	2 S	0.03	26
27	0.732	3 S	0.19	1.38	4 S	0.48	0.174	2	0.03	27
28	0.630	3	0.18	1.28	4 S	0.44	0.160	7	0.08	28
29	0.380	2 S	0.07	0.823	4 S	0.32	0.134	7	0.08	29
30	0.405	3 S	0.10	0.788	3 S	0.21	0.121	7	0.07	30
31	0.323	2 S	0.08				0.110	7	0.07	31
TOTAL	56.001		40.34	48.612		15.76	26.421		20.14	TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

CARNATION CREEK AT THE MOUTH - STATION NO. 08MB048

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN 01	18:05	4.0	0.884	8		10RB												42				PWS
JAN 02	00:01	4.5	8.08	11		10RB																PWS
JAN 02	01:18	4.5	10.8	10		10RB																PWS
JAN 02	02:06	4.5	13.4	23		10RB																PWS
JAN 2	03:06	4.5	16.7	43		10RB																PWS
JAN 2	03:58	4.5	17.5	39		10RB																PWS
JAN 2	05:06	4.5	15.5	89		10RB																PWS
JAN 2	06:21	4.5	13.0	41		10RB																PWS
JAN 2	07:18	4.5	10.6	23		10RB																PWS
JAN 2	08:06	4.5	9.11	19		10RB																PWS
JAN 2	09:24	4.5	6.90	26		10RB												39				PWS
JAN 2	10:26	4.5	5.87	23		10RB																PWS
JAN 2	11:11	4.5	5.26	21		10RB																PWS
JAN 2	12:36	4.5	4.48	27		10RB																PWS
JAN 2	13:26	4.5	4.09	12		10RB																PWS
JAN 2	14:11	4.5	3.79	12		10RB																PWS
JAN 2	15:16	4.5	3.39	48		10RB																PWS
JAN 2	16:16	4.5	3.02	18		10RB																PWS
JAN 2	18:06	4.5	2.63	13		10RB																PWS
JAN 2	20:01	4.5	2.37	8		10RB																PWS
JAN 2	22:21	4.5	2.12	4		10RB																PWS
JAN 3	00:06	4.9	2.17	4		10RB												35				PWS
JAN 3	01:54	4.9	2.77	4		10RB																PWS
JAN 3	04:02	4.9	3.54	3		10RB																PWS
JAN 3	05:57	4.9	3.74	3		10RB																PWS
JAN 3	08:12	4.9	3.84	11		10RB																PWS
JAN 3	09:57	4.9	4.20	8		10RB																PWS
JAN 3	12:07	4.9	5.04	3		10RB																PWS
JAN 3	13:12	4.9	5.15	4		10RB																PWS
JAN 3	14:02	4.9	5.18	5		10RB																PWS
JAN 3	15:17	4.9	5.34	4		10RB																PWS
JAN 3	16:17	4.9	5.98	2		10RB																PWS
JAN 3	17:17	4.9	7.84	2		10RB																PWS
JAN 3	18:27	4.9	10.8	9		10RB												42				PWS
JAN 3	19:22	4.8	12.8	11		10RB																PWS
JAN 3	20:12	4.8	17.4	18		10RB																PWS
JAN 3	20:57	4.8	28.0	19		10RB																PWS
JAN 3	21:12	4.8	31.1	42		10RB																PWS
JAN 3	22:07	4.8	49.3	27		10RB																PWS
JAN 3	22:27	4.8	54.7	42		10RB																PWS
JAN 3	23:07	4.8	60.8	97		10RB																PWS
JAN 4	00:12	5.2	53.1	109		10RB																PWS
JAN 4	01:32	5.2	38.2	63		10RB																PWS
JAN 4	02:18	5.2	32.5	842		10RB																PWS
JAN 4	03:18	5.2	43.9	580		10RB																PWS
JAN 4	04:18	5.2	44.9	257		10RB																PWS
JAN 4	05:18	5.2	36.0	87		10RB												42				PWS
JAN 4	06:18	5.2	31.4	80		10RB																PWS
JAN 4	07:03	5.2	28.5	88		10RB																PWS
JAN 4	07:58	5.2	24.0	83		10RB																PWS
JAN 4	09:03	5.2	20.7	48		10RB																PWS
JAN 4	10:03	5.2	18.5	55		10RB																PWS
JAN 4	11:03	5.2	16.8	108		10RB																PWS
JAN 4	12:03	5.2	15.3	101		10RB																PWS
JAN 4	13:13	5.2	13.9	107		10RB																PWS
JAN 4	14:03	5.2	13.1	91		10RB																PWS
JAN 4	15:13	5.2	11.7	57		10RB																PWS
JAN 4	16:13	5.2	10.5	75		10RB												42				PWS
JAN 4	17:13	5.2	9.43	62		10RB																PWS
JAN 4	18:13	5.2	8.32	84		10RB																PWS
JAN 4	19:13	5.2	7.28	54		10RB																PWS
JAN 4	20:13	5.2	6.33	44		10RB																PWS
JAN 4	20:58	5.2	5.79	50		10RB																PWS
JAN 4	21:13	5.2	5.61	40		10RB																PWS
JAN 4	22:13	5.2	4.91	35		10RB																PWS
JAN 4	23:08	5.2	4.25	37		10RB																PWS
JAN 5	00:08	5.6	3.86	31		10RB																PWS
JAN 5	00:58	5.6	2.02	H 31		10RB																PWS
JAN 5	02:24	5.6	3.10	28		10RB																PWS
JAN 5	04:18	5.6	2.88	25		10RB												104				PWS
JAN 5	06:28	5.6	2.60	21		10RB																PWS
JAN 5	16:28	5.6	1.38	19		10RB																PWS
JAN 5	16:30	5.6	0.803	16		10RB																PWS
JAN 8	18:32	8.1	1.34	42		10RB																PWS
JAN 9	19:33	8.3	1.09	32		10RB																PWS
JAN 10	12:15	8.3	1.70	24		10RB												44				PWS
JAN 10	13:45	8.3	0.330	4		10.7 M												48				DH48
JAN 10	13:48	8.3	0.330	4		13.7 M												43				DH48
JAN 10	13:53	8.3	0.328	3		16.2 M												43				DH48
JAN 10	13:57	8.3	0.328	3		18.4 M												44				DH48
JAN 10	14:00	8.3	0.328	5		18.3 M												82				DH48
JAN 11	11:17	8.7	0.868	11		10RB																PWS
JAN 12	11:18	8.0	0.631	17		10RB																PWS
JAN 13	11:11	5.0	0.483	14		10RB																PWS
JAN 14	11:13	4.5	0.347	13		10RB																PWS
JAN 15	11:37	3.5	0.246	9		10RB																PWS
JAN 17	11:48	3.0	0.192	7		10RB																PWS
JAN 18	11:51	3.0	0.183	7		10RB																PWS
JAN 19	12:03	2.4	0.158	8		10RB																PWS
JAN 20	12:10	3.4	0.167	9		10RB																PWS
JAN 21	12:12	3.8	0.158	8		10RB																PWS
JAN 23	12:16	4.3	2.59	142 C		10RB												44				PWS

NOTE : SINGLE VERTICAL LOCATED AT 10RB

DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN 24	10:03	5.2	2.99	17	1ORB																PWS
JAN 24	10:18	5.2	3.10	12	1ORB																PWS
JAN 24	10:58	5.2	3.86	8	1ORB																PWS
JAN 24	11:43	5.2	5.08	16	1ORB																PWS
JAN 24	12:03	5.2	5.37	28	1ORB																PWS
JAN 24	12:53	5.2	6.52	24	1ORB																PWS
JAN 24	13:53	5.2	7.22	28	1ORB																PWS
JAN 24	14:00	5.2	1.44	9	10.7 M												61				DH48
JAN 24	14:02	5.2	1.44	9	13.7 M												44				DH48
JAN 24	14:04	5.2	1.44	9	15.2 M												44				DH48
JAN 24	14:07	5.2	1.44	9	16.8 M												44				DH48
JAN 24	14:10	5.2	1.44	9	18.3 M												41				DH48
JAN 24	14:23	5.2	7.35	37	1ORB																PWS
JAN 24	14:43	5.2	7.35	23	1ORB																PWS
JAN 24	15:53	5.2	7.38	16	1ORB																PWS
JAN 24	16:48	5.2	7.42	16	1ORB																PWS
JAN 24	17:48	5.2	7.80	18	1ORB												45				PWS
JAN 24	18:18	5.2	7.70	25	1ORB																PWS
JAN 24	18:48	5.2	7.78	27	1ORB																PWS
JAN 24	19:53	5.2	7.25	25	1ORB																PWS
JAN 24	21:03	5.2	6.76	21	1ORB																PWS
JAN 24	21:55	5.2	6.34	16	1ORB																PWS
JAN 24	22:55	5.2	6.04	14	1ORB																PWS
JAN 24	23:55	5.2	5.74	8	1ORB																PWS
JAN 25	01:05	5.2	5.37	8	1ORB																PWS
JAN 25	02:05	5.2	5.01	17	1ORB																PWS
JAN 25	03:05	5.2	4.71	12	1ORB																PWS
JAN 25	04:05	5.2	4.51	7	1ORB																PWS
JAN 25	05:05	5.2	4.30	13	1ORB												41				PWS
JAN 25	06:05	5.2	4.10	17	1ORB																PWS
JAN 25	07:05	5.2	3.93	11	1ORB																PWS
JAN 25	07:55	5.2	3.76	18	1ORB																PWS
JAN 25	08:15	5.2	3.72	35	1ORB																PWS
JAN 25	09:00	5.2	3.61	10	1ORB																PWS
JAN 25	09:55	5.2	3.50	26	1ORB																PWS
JAN 25	11:05	5.2	3.40	23	1ORB																PWS
JAN 25	12:15	5.2	3.17	10	1ORB																PWS
JAN 25	14:05	5.2	2.85	7	1ORB																PWS
JAN 25	16:05	5.2	2.48	9	1ORB																PWS
JAN 25	18:05	5.2	2.18	17	1ORB																PWS
JAN 25	20:05	5.2	1.96	14	1ORB												39				PWS
JAN 25	22:07	5.2	1.78	16	1ORB																PWS
JAN 26	12:07	5.0	1.18	15	1ORB																PWS
JAN 26	16:27	5.0	1.71	8	1ORB																PWS
JAN 26	18:17	5.0	2.10	8	1ORB																PWS
JAN 26	20:07	5.0	2.37	12	1ORB																PWS
JAN 26	22:07	5.0	2.37	19	1ORB																PWS
JAN 27	00:09	5.5	2.23	19	1ORB																PWS
JAN 27	02:14	5.5	2.24	9	1ORB																PWS
JAN 27	04:19	5.5	2.33	8	1ORB																PWS
JAN 27	06:29	5.5	2.44	17	1ORB																PWS
JAN 27	08:29	5.5	2.56	17	1ORB																PWS
JAN 27	10:29	5.5	2.89	10	1ORB												38				PWS
JAN 27	12:29	5.5	3.42	11	1ORB																PWS
JAN 27	14:29	5.5	3.79	10	1ORB																PWS
JAN 27	16:29	5.5	4.02	10	1ORB																PWS
JAN 27	16:58	5.5	4.06	10	1ORB																PWS
JAN 27	17:29	5.5	3.97	8	1ORB																PWS
JAN 27	18:29	5.5	3.79	11	1ORB																PWS
JAN 27	18:29	5.5	3.62	9	1ORB																PWS
JAN 27	20:08	5.5	3.45	7	1ORB																PWS
JAN 27	22:25	5.5	2.87	6	1ORB																PWS
JAN 28	00:25	5.5	2.70	12	1ORB																PWS
JAN 28	02:25	5.5	2.52	7	1ORB																PWS
JAN 28	04:25	5.5	2.45	10	1ORB												35				PWS
JAN 28	06:25	5.5	2.45	3	1ORB																PWS
JAN 28	08:25	5.5	2.49	7	1ORB																PWS
JAN 28	10:31	5.5	2.54	7	1ORB																PWS
JAN 28	12:31	5.5	2.80	4	1ORB																PWS
JAN 28	14:31	5.5	2.88	13	1ORB																PWS
JAN 28	15:21	5.5	3.02	8	1ORB																PWS
JAN 28	16:31	5.5	2.95	9	1ORB																PWS
JAN 28	18:31	5.5	2.89	6	1ORB																PWS
JAN 28	20:31	5.5	2.31	4	1ORB																PWS
JAN 28	22:33	5.5	1.87	8	1ORB																PWS
JAN 29	00:33	5.0	1.77	3	1ORB																PWS
JAN 29	02:28	5.0	1.58	3	1ORB												35				PWS
JAN 30	12:30	5.0	0.525	10	1ORB																PWS
JAN 31	12:32	5.0	0.428	5	1ORB																PWS
FEB 1	12:49	5.5	0.305	5	1ORB																PWS
FEB 2	13:01	5.0	0.251 M	8	1ORB																PWS
FEB 3	13:13	5.4	0.221	8	1ORB																PWS
FEB 4	13:15	5.4	0.189	7	1ORB																PWS
FEB 6	13:28	5.2	0.167	8	1ORB																PWS
FEB 7	13:31	5.2	0.135	95 C	1ORB																PWS
FEB 8	13:33	5.6	0.571	22	1ORB																PWS
FEB 9	11:45	5.5	2.64	9	1ORB																PWS
FEB 9	13:45	5.5	4.03	13	1ORB																PWS
FEB 9	13:50	5.5	4.03	18	1ORB												45				PWS
FEB 9	14:40	5.5	5.28	14	1ORB																PWS
FEB 9	15:50	5.5	6.32	28	1ORB																PWS
FEB 9	16:35	5.5	6.86	21	1ORB																PWS
FEB 9	16:45	5.5	7.17	20	1ORB																PWS
FEB 9	17:50	5.5	7.86	15	1ORB																PWS
FEB 9	18:50	5.5	8.72	34	1ORB																PWS
FEB 9	19:50	5.5	8.32	23	1ORB																PWS
FEB 9	20:55	5.5	8.88	25	1ORB																PWS
FEB 9	21:25	5.5	8.63	22	1ORB																PWS
FEB 9	21:55	5.5	8.27	18	1ORB																PWS
FEB 9	22:57	5.5	8.88	10	1ORB																PWS
FEB 9	23:57	5.5	7.76	9	1ORB																PWS

NOTE : SINGLE VERTICAL LOCATED AT 1ORB

DISCHARGE SYMBOL(S): M - DAILY MEAN
CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
FEB 10	00:57	5.2	6.93	10	10RB												40				PWS
FEB 10	01:57	5.2	6.12	8	10RB																PWS
FEB 10	02:57	5.2	5.46	7	10RB																PWS
FEB 10	03:57	5.2	4.86	8	10RB																PWS
FEB 10	06:07	5.2	3.86	7	10RB																PWS
FEB 10	07:52	5.2	3.31	6	10RB																PWS
FEB 10	07:57	5.2	3.22	5	10RB																PWS
FEB 10	08:52	5.2	2.84	8	10RB																PWS
FEB 10	11:52	5.2	2.46	5	10RB																PWS
FEB 10	13:52	5.2	2.22	5	10RB																PWS
FEB 11	04:09	5.0	2.35	15	10RB																PWS
FEB 11	06:09	5.0	4.80	14	10RB												37				PWS
FEB 11	07:09	5.0	5.22	15	10RB																PWS
FEB 11	08:09	5.0	5.43	11	10RB																PWS
FEB 11	09:09	5.0	5.26	9	10RB																PWS
FEB 11	10:09	5.0	4.86	4	10RB																PWS
FEB 11	11:09	5.0	4.72	7	10RB																PWS
FEB 11	12:09	5.0	4.45	6	10RB																PWS
FEB 11	14:09	5.0	3.82	4	10RB																PWS
FEB 11	16:09	5.0	3.36	4	10RB																PWS
FEB 11	18:09	5.0	2.89	5	10RB																PWS
FEB 11	19:59	5.0	2.53	10	10RB																PWS
FEB 12	04:19	5.8	2.25	6	10RB																PWS
FEB 12	06:09	5.8	4.26	4	10RB												38				PWS
FEB 12	07:09	5.8	5.73	8	10RB																PWS
FEB 12	08:09	5.8	6.63	10	10RB																PWS
FEB 12	08:59	5.8	8.80	10	10RB																PWS
FEB 12	09:59	5.8	8.85	14	10RB																PWS
FEB 12	10:59	5.8	5.87	14	10RB																PWS
FEB 12	11:59	5.8	5.17	14	10RB																PWS
FEB 12	14:09	5.8	4.03	15	10RB																PWS
FEB 12	15:09	5.8	3.28	12	10RB																PWS
FEB 12	18:09	5.8	2.78	8	10RB																PWS
FEB 13	10:11	5.2	2.87	8	10RB																PWS
FEB 13	12:11	5.2	2.74	26	10RB																PWS
FEB 13	14:11	5.2	2.58	5	10RB												33				PWS
FEB 14	14:21	5.6	1.04	8	10RB																PWS
FEB 15	14:23	5.4	1.27	24	10RB																PWS
FEB 16	14:25	5.1	0.802	11	10RB																PWS
FEB 17	14:27	4.9	0.382	9	10RB																PWS
FEB 18	14:38	5.6	0.334	7	10RB																PWS
FEB 19	13:01	5.1	2.44	27	10RB																PWS
FEB 19	15:01	5.1	2.59	10	10RB																PWS
FEB 19	16:51	5.1	2.94	6	10RB																PWS
FEB 19	18:51	5.1	3.79	6	10RB																PWS
FEB 19	19:41	5.1	4.73	22	10RB																PWS
FEB 19	20:41	5.1	5.89	11	10RB																PWS
FEB 19	21:01	5.1	6.26	21	10RB												39				PWS
FEB 19	21:51	5.1	7.35	33	10RB																PWS
FEB 19	22:13	5.1	8.05	49	10RB																PWS
FEB 19	22:53	5.1	9.21	69	10RB																PWS
FEB 19	23:53	5.1	10.7	43	10RB																PWS
FEB 20	00:53	5.4	12.1	46	10RB																PWS
FEB 20	01:53	5.4	13.2	39	10RB																PWS
FEB 20	02:53	5.4	13.2	85	10RB																PWS
FEB 20	03:53	5.4	12.3	32	10RB																PWS
FEB 20	04:53	5.4	11.4	25	10RB																PWS
FEB 20	05:53	5.4	10.4	21	10RB																PWS
FEB 20	06:53	5.4	9.54	33	10RB																PWS
FEB 20	07:53	5.4	8.88	34	10RB												35				PWS
FEB 20	08:53	5.4	8.01	16	10RB																PWS
FEB 20	09:53	5.4	7.46	16	10RB																PWS
FEB 20	10:53	5.4	6.92	15	10RB																PWS
FEB 20	12:08	5.4	6.23	14	10RB																PWS
FEB 20	13:08	5.4	5.63	14	10RB																PWS
FEB 20	14:08	5.4	5.08	18	10RB																PWS
FEB 20	15:43	5.4	4.40	10	10RB																PWS
FEB 20	17:43	5.4	3.59	12	10RB																PWS
FEB 20	19:38	5.4	2.88	20	10RB																PWS
FEB 20	21:38	5.4	2.59	9	10RB																PWS
FEB 21	15:40	5.8	1.35	12	10RB																PWS
FEB 22	15:42	6.0	2.46	14	10RB												69				PWS
FEB 22	17:42	6.0	2.55	6	10RB																PWS
FEB 23	15:44	5.6	0.932	9	10RB																PWS
FEB 24	15:48	5.5	0.650	7	10RB																PWS
FEB 25	15:48	5.2	0.423	10	10RB																PWS
FEB 27	01:50	5.2	2.61	15	10RB																PWS
FEB 27	03:50	5.2	3.90	21	10RB																PWS
FEB 27	05:50	5.2	4.90	17	10RB																PWS
FEB 27	06:50	5.2	5.18	11	10RB																PWS
FEB 27	07:50	5.2	5.42	11	10RB																PWS
FEB 27	08:50	5.2	5.34	9	10RB																PWS
FEB 27	09:25	5.2	5.23	6	10RB																PWS
FEB 27	09:55	5.2	5.06	5	10RB												36				PWS
FEB 27	10:55	5.2	4.78	6	10RB																PWS
FEB 27	11:55	5.2	4.50	6	10RB																PWS
FEB 27	13:55	5.2	3.91	7	10RB																PWS
FEB 27	15:55	5.2	3.32	5	10RB																PWS
FEB 27	17:50	5.2	2.88	5	10RB																PWS
FEB 28	11:58	6.0	3.25	9	10RB																PWS
FEB 28	13:58	6.0	3.26	6	10RB																PWS
FEB 28	15:58	6.0	3.57	6	10RB																PWS
FEB 28	17:58	6.0	3.31	5	10RB																PWS
FEB 28	18:58	6.0	2.94	6	10RB																PWS
FEB 28	21:58	6.0	2.68	5	10RB																PWS
FEB 29	18:11	5.5	1.35	7	10RB												37				PWS
MAR 01	18:14	5.5	1.85	8	10RB																PWS
MAR 02	18:17	5.2	1.23	7	10RB																PWS
MAR 03	18:20	4.8	0.880	5	10RB																PWS
MAR 05	18:24	5.1	0.299	11	10RB																PWS

NOTE : SINGLE VERTICAL LOCATED AT 10RB

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAR 06	12:16	5.5	0.254	8	10RB												28				PWS
MAR 06	12:20	5.5	0.051	2	10.7 M												34				DIP
MAR 06	12:21	5.5	0.051	2	13.7 M												33				DIP
MAR 06	12:22	5.5	0.051	3	15.2 M												35				DIP
MAR 06	12:24	5.5	0.050	2	18.6 M												34				DIP
MAR 06	12:25	5.5	0.050	3	18.3 M												38				DIP
MAR 07	11:59	6.0	0.326	19	10RB																PWS
MAR 08	12:02	6.2	0.185	18	10RB																PWS
MAR 09	12:20	7.0	0.159	14	10RB																PWS
MAR 10	12:23	7.1	0.181	16	10RB																PWS
MAR 12	12:28	6.6	0.612	17	10RB																PWS
MAR 13	12:38	6.3	0.645	11	10RB																PWS
MAR 14	13:02	6.5	0.578	8	10RB																PWS
MAR 15	13:05	6.9	0.394	10	10RB																PWS
MAR 16	13:08	6.8	0.399	10	10RB																PWS
MAR 17	13:11	6.8	1.71	36	10RB																PWS
MAR 18	03:29	6.8	2.59	10	10RB																PWS
MAR 18	05:14	6.8	3.45	12	10RB												38				PWS
MAR 18	07:14	6.8	3.87	13	10RB																PWS
MAR 18	09:14	6.8	3.81	12	10RB																PWS
MAR 18	11:29	6.8	3.59	12	10RB																PWS
MAR 18	13:29	6.8	3.26	9	10RB																PWS
MAR 18	15:29	6.8	3.03	11	10RB																PWS
MAR 18	17:29	6.8	2.80	7	10RB																PWS
MAR 18	19:29	6.8	2.57	11	10RB																PWS
MAR 18	21:38	6.8	2.26	7	10RB																PWS
MAR 19	13:32	6.5	1.08	8	10RB																PWS
MAR 20	11:35	7.2	2.61	7	10RB																PWS
MAR 20	13:35	7.2	3.79	9	10RB																PWS
MAR 20	15:35	7.2	4.81	8	10RB												29				PWS
MAR 20	16:35	7.2	5.32	12	10RB																PWS
MAR 20	17:05	7.2	5.52	14	10RB																PWS
MAR 20	18:20	7.2	5.72	13	10RB																PWS
MAR 20	18:50	7.2	5.72	18	10RB																PWS
MAR 20	19:05	7.2	5.61	18	10RB																PWS
MAR 20	19:50	7.2	5.20	11	10RB																PWS
MAR 20	20:20	7.2	4.86	10	10RB																PWS
MAR 20	20:50	7.2	4.71	11	10RB																PWS
MAR 20	21:20	7.2	4.60	13	10RB																PWS
MAR 20	21:50	7.2	4.31	11	10RB																PWS
MAR 20	22:38	7.2	3.53	10	10RB																PWS
MAR 21	01:38	6.8	2.89	21	10RB												31				PWS
MAR 21	03:53	6.8	2.59	11	10RB																PWS
MAR 21	05:53	6.8	2.42	18	10RB																PWS
MAR 21	07:53	6.8	2.38	6	10RB																PWS
MAR 21	09:53	6.8	2.82	3	10RB																PWS
MAR 21	11:38	6.8	2.86	8	10RB																PWS
MAR 21	13:38	6.8	2.82	26	10RB																PWS
MAR 21	15:38	6.8	3.21	7	10RB																PWS
MAR 21	17:38	6.8	3.45	8	10RB																PWS
MAR 21	19:38	6.8	3.26	5	10RB																PWS
MAR 21	21:53	6.8	3.02	7	10RB																PWS
MAR 21	23:56	6.8	2.05	7	10RB																PWS
MAR 22	01:56	6.9	2.69	10	10RB												36				PWS
MAR 22	03:56	6.9	2.50	7	10RB																PWS
MAR 22	05:56	6.9	2.33	6	10RB																PWS
MAR 22	13:56	6.9	1.70	6	10RB																PWS
MAR 23	13:59	6.9	1.75	7	10RB																PWS
MAR 24	14:02	6.1	0.755	8	10RB																PWS
MAR 26	14:07	5.9	0.759	13	10RB																PWS
MAR 27	12:46	6.2	0.095	1	10.7 M																DIP
MAR 27	12:46	6.2	0.095	1	13.7 M																DIP
MAR 27	12:47	6.2	0.095	1	15.2 M																DIP
MAR 27	12:48	6.2	0.095	1	18.6 M																DIP
MAR 27	12:50	6.2	0.095	4	18.3 M																DIP
MAR 27	13:10	6.2	0.488	7	10RB																PWS
MAR 28	12:28	6.5	0.858	12	10RB																PWS
MAR 29	12:31	6.9	0.488	6	10RB																PWS
MAR 30	12:49	6.2	0.344	7	10RB																PWS
MAR 31	13:07	6.2	0.281	10	10RB																PWS
APR 02	13:12	7.6	0.188	13	10RB												40				PWS
APR 03	13:30	7.2	0.319	8	10RB																PWS
APR 04	13:33	6.3	0.322	15	10RB																PWS
APR 05	13:38	6.9	0.217	7	10RB																PWS
APR 06	13:39	6.2	0.184	11	10RB																PWS
APR 07	13:42	6.2	0.700	13	10RB																PWS
APR 09	14:17	6.0	3.23	11	10RB																PWS
APR 09	16:17	6.0	3.85	9	10RB																PWS
APR 09	18:17	6.0	4.09	13	10RB																PWS
APR 09	20:17	6.0	3.85	17	10RB																PWS
APR 09	22:17	6.0	3.79	11	10RB																PWS
APR 10	00:20	5.8	4.16	10	10RB																PWS
APR 10	02:20	5.8	4.18	11	10RB												38				PWS
APR 10	04:20	5.8	3.78	8	10RB																PWS
APR 10	06:20	5.8	3.30	7	10RB																PWS
APR 10	08:20	5.8	2.87	6	10RB																PWS
APR 10	10:20	5.8	2.61	8	10RB																PWS
APR 10	14:20	5.8	1.95	5	10RB																PWS
APR 11	14:23	6.0	2.19	11	10RB																PWS
APR 11	20:38	6.0	2.67	7	10RB																PWS
APR 11	22:38	6.0	2.79	7	10RB																PWS
APR 12	00:41	6.1	3.03	7	10RB																PWS
APR 12	02:41	6.1	2.84	7	10RB																PWS
APR 12	04:41	6.1	2.77	9	10RB																PWS
APR 12	06:41	6.1	2.56	8	10RB												35				PWS
APR 12	08:41	6.1	2.41	6	10RB																PWS
APR 12	10:41	6.1	2.63	6	10RB																PWS
APR 12	12:41	6.1	3.85	4	10RB																PWS
APR 12	14:41	6.1	4.69	9	10RB																PWS
APR 12	16:41	6.1	4.05	10	10RB																PWS
APR 12	18:41	6.1	3.34	10	10RB																PWS
APR 12	20:41	6.1	2.70	10	10RB																PWS
APR 12	22:41	6.1	2.34	8	10RB																PWS

NOTE : SINGLE VERTICAL LOCATED AT 10RB

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
APR 13	14:44	5.8	1.04	7		1ORB																PWS
APR 14	14:47		1.28	7		1ORB																PWS
APR 15	14:50	7.8	2.43	8		1ORB																PWS
APR 16	14:53	6.9	0.957	8		1ORB												32				PWS
APR 17	15:11	6.7	0.535	8		1ORB																PWS
APR 18	15:19	7.0	1.09	11		1ORB																PWS
APR 19	15:22	7.1	0.828	7		1ORB																PWS
APR 20	15:33	7.0	0.541	5		1ORB																PWS
APR 21	15:38	7.4	0.542	4		1ORB																PWS
APR 22	18:09	7.2	2.96	8		1ORB																PWS
APR 22	20:09	7.2	2.84	8		1ORB																PWS
APR 22	22:09	7.2	2.55	5		1ORB																PWS
APR 23	00:08	6.5	2.27	3		1ORB																PWS
APR 23	15:57	6.5	0.984	5		1ORB																PWS
APR 24	18:00	6.4	0.500	5		1ORB																PWS
APR 25	18:18	6.7	0.329	7		1ORB												31				PWS
APR 26	18:20	6.9	0.237	8		1ORB																PWS
APR 27	18:23	7.3	0.200	8		1ORB																PWS
APR 28	18:26	8.1	0.174	8		1ORB																PWS
APR 30	18:45	8.1	0.305	14	S	1ORB																PWS
MAY 01	18:48	7.8	0.540	8		1ORB																PWS
MAY 02	16:51	7.2	0.893	5		1ORB																PWS
MAY 03	17:07	7.0	0.681	8		1ORB																PWS
MAY 04	17:08	7.2	0.353	4		1ORB																PWS
MAY 05	17:25	7.5	0.280	8		1ORB																PWS
MAY 07	17:42	8.2	0.213	13		1ORB																PWS
MAY 08	17:44	8.3	0.885	7		1ORB																PWS
MAY 09	17:46	7.6	2.34	11		1ORB												35				PWS
MAY 10	17:48	7.2	1.80	10		1ORB																PWS
MAY 11	18:05	7.4	1.78	6		1ORB																PWS
MAY 12	08:52	7.7	1.14	5		1ORB																PWS
MAY 12	18:24	7.7	0.823	5		1ORB																PWS
MAY 14	18:41	8.0	1.48	9		1ORB																PWS
MAY 15	11:18	7.8	1.01	2		1ORB												39				PWS
MAY 15	11:45	7.9	0.198	2		10.7	M											35				DH48
MAY 15	11:48	7.9	0.198	1		13.7	M											39				DH48
MAY 15	11:51	7.9	0.198	1		15.2	M											43				DH48
MAY 15	11:53	7.9	0.137	2		16.8	M											39				DH48
MAY 15	11:55	7.9	0.197	2		18.3	M											38				DH48
MAY 16	11:20	8.2	0.494	5		1ORB																PWS
MAY 17	11:22	8.2	0.353	3		1ORB																PWS
MAY 18	11:24	8.5	0.506	8		1ORB																PWS
MAY 19	05:41	8.0	2.07	7		1ORB																PWS
MAY 19	07:46	8.0	4.43	11		1ORB																PWS
MAY 19	08:46	8.0	5.67	38		1ORB																PWS
MAY 19	09:46	8.0	7.47	61		1ORB																PWS
MAY 19	10:46	8.0	8.77	36		1ORB												39				PWS
MAY 19	11:26	8.0	9.13	27		1ORB																PWS
MAY 19	11:41	8.0	9.17	25		1ORB																PWS
MAY 19	12:41	8.0	8.98	16		1ORB																PWS
MAY 19	13:41	8.0	7.82	11		1ORB																PWS
MAY 19	14:26	8.0	7.00	12		1ORB																PWS
MAY 19	14:41	8.0	6.69	11		1ORB																PWS
MAY 19	15:41	8.0	5.78	17		1ORB																PWS
MAY 19	16:11	8.0	5.33	4		1ORB																PWS
MAY 19	16:41	8.0	4.98	5		1ORB																PWS
MAY 19	17:11	8.0	4.69	8		1ORB																PWS
MAY 19	17:41	8.0	4.22	3		1ORB																PWS
MAY 19	19:56	8.0	3.25	0		1ORB												35				PWS
MAY 19	21:55	8.0	2.71	4		1ORB																PWS
MAY 21	12:14	8.0	1.01	1		1ORB																PWS
MAY 22	12:15	8.0	0.948	4		1ORB																PWS
MAY 23	12:16	7.9	1.18	2		1ORB																PWS
MAY 24	12:35	8.0	0.943	7		1ORB																PWS
MAY 25	12:37	7.8	0.526	4		1ORB												35				PWS
MAY 26	12:39	7.4	1.28	1		1ORB																PWS
MAY 26	13:12	8.7	0.372	1		1ORB																PWS
MAY 28	13:14	10.0	0.284	4		1ORB																PWS
MAY 30	13:31	10.0	0.231	2		1ORB																PWS
MAY 31	13:33	9.1	0.191	5		1ORB																PWS
JUN 01	13:50	10.0	0.188	7		1ORB												34				PWS
JUN 02	13:52	10.0	0.157	5		1ORB																PWS
JUN 04	13:55	10.0	0.234	5		1ORB																PWS
JUN 05	13:57	12.2	0.211	7		1ORB																PWS
JUN 06	14:14	10.1	0.188	21		1ORB																PWS
JUN 07	14:15	10.5	0.183	10		1ORB																PWS
JUN 08	14:33	10.3	0.151	5		1ORB																PWS
JUN 09	14:35	10.1	0.218	7		1ORB																PWS
JUN 11	13:53	10.6	0.150	4		1ORB																PWS
JUN 12	15:09	11.2	0.134	2		1ORB																PWS
JUN 13	15:10	12.0	0.122	5		1ORB																PWS
JUN 14	15:26	12.0	0.114	5		1ORB																PWS
JUN 15	15:42	12.0	0.108	4		1ORB												36				PWS
JUN 16	15:43	11.5	0.102	4		1ORB																PWS
JUN 18	15:59	11.5	0.079	5		1ORB																PWS
JUN 19	16:00	11.8	0.076	5		1ORB																PWS
JUN 20	16:01	12.0	0.075	5		1ORB																PWS
JUN 21	16:02	12.2	0.074	31		1ORB																PWS
JUN 22	16:03	12.1	0.073	12		1ORB																PWS
JUN 23	16:19	12.1	0.070	9		1ORB																PWS
JUN 25	16:35	12.2	0.062	15		1ORB																PWS
JUN 26	16:29	12.4	0.122	11		1ORB																PWS
JUN 26	16:30	12.4	0.093	H	4	10.7	M											40				DIP
JUN 26	16:33	12.4	0.093	H	3	13.7	M											38				DIP
JUN 26	16:35	12.4	0.093	H	1	15.2	M											45				DIP
JUN 27	12:17	12.2	0.117		2	1ORB												33				PWS
JUN 28	12:20	11.5	0.356		5	1ORB																PWS
JUN 29	12:23	11.0	0.393		3	1ORB																PWS
JUN 30	12:26	10.8	0.338		8	1ORB																PWS
JUL 01	12:28	11.0	2.80		8	1ORB																PWS
JUL 01	14:47	11.0	2.47		10	1ORB																PWS
JUL 02	12:50	11.0	0.635		7	1ORB																PWS
JUL 03	12:53	11.5	0.330		5	1ORB																PWS

NOTE : SINGLE VERTICAL LOCATED AT 1ORB

DISCHARGE SYMBOL(S): H - DAILY MEAN
CONCENTRATION SYMBOL(S): S - ORGANIC MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JUL 04	12:56	11.5	0.238	10	10RB																PWS
JUL 05	12:58	11.5	0.387	5	10RB												28				PWS
JUL 06	13:02	11.4	0.286	5	10RB																PWS
JUL 07	13:05	11.8	0.189	13	10RB																PWS
JUL 09	13:40	12.1	0.132	11	10RB																PWS
JUL 10	13:43	12.2	0.117	6	10RB																PWS
JUL 11	13:46	12.2	0.113	15	10RB																PWS
JUL 12	14:04	12.1	0.107	7	10RB																PWS
JUL 13	14:07	13.0	0.097	11	10RB																PWS
JUL 14	14:10	13.7	0.085	12	10RB																PWS
JUL 16	14:15	13.9	0.078	13	10RB																PWS
JUL 17	14:33	13.8	0.072	3	10RB												34				PWS
JUL 18	14:38	13.0	0.074	11	10RB																PWS
JUL 19	14:38	12.5	0.086	8	10RB																PWS
JUL 20	14:42	13.2	0.084	10	10RB																PWS
JUL 21	14:45	12.2	0.086	5	10RB																PWS
JUL 23	15:05	13.2	0.067	11	10RB																PWS
JUL 24	15:08	13.4	0.065	8	10RB																PWS
JUL 25	15:11	13.9	0.062	10	10RB																PWS
JUL 26	15:28	13.5	0.056	8	10RB																PWS
JUL 27	15:47	14.0	0.054	8	10RB																PWS
JUL 28	15:50	14.0	0.043	8	10RB												28				PWS
JUL 30	15:55	14.0	0.041	4	10RB																PWS
JUL 31	15:58	13.6	0.046	4	10RB																PWS
AUG 01	16:16	13.1	0.043	6	10RB																PWS
AUG 02	16:19	13.0	0.041	11	10RB																PWS
AUG 03	16:22	13.1	0.038	12	10RB																PWS
AUG 04	16:40	13.2	0.036	14	10RB																PWS
AUG 06	17:00	12.5	0.038	17	10RB																PWS
AUG 07	17:03	13.1	0.040	20	10RB																PWS
AUG 08	14:08	14.0	0.034	30	10RB																PWS
AUG 09	17:08	14.2	0.038	12	10RB												29				PWS
AUG 10	18:42	14.0	0.028	6	10RB																PWS
AUG 11	17:15	13.8	0.031	5	10RB																PWS
AUG 13	17:20	13.6	0.030	13	10RB																PWS
AUG 14	17:23	13.0	0.029	5	10RB																PWS
AUG 15	17:41	13.1	0.023	14	10RB																PWS
AUG 16	17:29	13.9	0.021	3	10RB																PWS
AUG 17	18:32	13.8	0.034	7	10RB																PWS
AUG 18	18:05	13.3	0.043	7	10RB																PWS
AUG 19	18:08	12.6	0.048	10	10RB																PWS
AUG 21	18:56	12.7	0.035	7	10RB												27				PWS
AUG 22	18:44	13.5	0.027	7	10RB																PWS
AUG 23	19:47	13.5	0.033	13	10RB																PWS
AUG 24	19:50	13.0	0.028	11	10RB																PWS
AUG 26	19:53	13.0	0.023	4	10RB																PWS
AUG 27	19:58	13.0	0.026	10	10RB																PWS
AUG 28	19:30	13.0	0.023	6	10RB																PWS
AUG 29	20:03	12.0	0.022	7	10RB																PWS
AUG 30	20:20	11.9	0.028	10	10RB																PWS
AUG 31	20:08	12.7	0.025	5	10RB																PWS
SEP 01	21:10	11.0	0.032	6	10RB												28				PWS
SEP 03	20:45	11.6	0.025	11	10RB																PWS
SEP 04	19:18	12.5	0.025	7	10RB																PWS
SEP 05	19:20	13.0	0.424	7	10RB																PWS
SEP 06	20:43	13.0	0.400	11	10RB																PWS
SEP 06	20:55	11.5	0.178	3	10RB																PWS
SEP 07	20:57	11.6	0.138	4	10RB																PWS
SEP 08	19:59	12.0	0.578	5	10RB																PWS
SEP 10	20:04	12.0	0.170	5	10RB																PWS
SEP 11	20:08	12.0	0.130	3	10RB																PWS
SEP 12	21:38	11.7	0.388	8	10RB												19				PWS
SEP 13	20:10	11.1	0.188	8	10RB																PWS
SEP 14	20:12	11.1	0.141	7	10RB																PWS
SEP 15	20:13	11.3	0.371	10	10RB																PWS
SEP 17	20:29	12.2	1.34	7	10RB																PWS
SEP 18	20:31	12.3	0.804	8	10RB																PWS
SEP 19	20:33	12.0	0.353	6	10RB																PWS
SEP 20	21:05	12.0	0.213	6	10RB																PWS
SEP 21	21:07	12.0	0.183	8	10RB																PWS
SEP 22	20:54	11.8	0.134	8	10RB																PWS
SEP 24	21:26	10.8	0.088	8	10RB												24				PWS
SEP 25	21:43	11.0	0.087	3	10RB																PWS
SEP 26	22:00	11.2	0.078	8	10RB																PWS
SEP 27	09:00	10.3	0.019	1	10.7 H												34				DIP
SEP 27	09:02	10.2	0.019	0	13.7 H												24				DIP
SEP 27	09:03	10.2	0.019	0	15.2 H												24				DIP
SEP 27	09:05	10.2	0.019	0	16.6 H												25				DIP
SEP 27	10:47	10.2	0.071	4	10RB																PWS
SEP 27	13:17	10.2	0.072	1	10RB																PWS
SEP 28	13:27	10.1	0.069	5	10RB																PWS
SEP 29	13:22	10.1	0.068	9	10RB																PWS
OCT 01	13:12	10.6	0.059	6	10RB																PWS
OCT 02	13:22	10.5	0.059	3	10RB																PWS
OCT 03	13:47	11.0	0.059	1	10RB																PWS
OCT 04	13:42	11.8	0.184	7	10RB												25				PWS
OCT 05	13:37	11.0	0.232	6	10RB																PWS
OCT 08	13:32	11.0	0.184	8	10RB																PWS

NOTE : SINGLE VERTICAL LOCATED AT 10RB

VERTICAL SYMBOL(S): H - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.015	.031	.063	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
OCT 07	04:42	12.2	5.37	53	10RB																PWS
OCT 07	05:27	12.2	7.17	38	10RB																PWS
OCT 07	06:27	12.2	8.88	30	10RB																PWS
OCT 07	06:57	12.2	11.3	48	10RB																PWS
OCT 07	07:27	12.2	13.2	30	10RB																PWS
OCT 07	08:27	12.2	17.3	40	10RB																PWS
OCT 07	09:27	12.2	15.0	73	10RB																PWS
OCT 07	10:27	12.2	13.0	51	10RB												19				PWS
OCT 07	11:27	12.2	13.3	40	10RB																PWS
OCT 07	12:27	12.2	15.8	21	10RB																PWS
OCT 07	13:27	12.2	17.1	28	10RB																PWS
OCT 07	14:12	12.2	17.7	28	10RB																PWS
OCT 07	15:27	12.2	18.5	38	10RB																PWS
OCT 07	16:12	12.2	18.1	32	10RB																PWS
OCT 07	16:27	12.2	18.0	36	10RB																PWS
OCT 07	17:27	12.2	18.9	32	10RB																PWS
OCT 07	18:27	12.2	21.1	37	10RB																PWS
OCT 07	19:27	12.2	22.8	31	10RB												6				PWS
OCT 07	19:57	12.2	22.2	47	10RB																PWS
OCT 07	20:42	12.2	19.4	40	10RB																PWS
OCT 07	21:12	12.2	18.2	32	10RB																PWS
OCT 07	21:37	12.2	17.8	37	10RB																PWS
OCT 07	22:37	12.2	17.0	36	10RB																PWS
OCT 07	23:22	12.2	15.9	24	10RB																PWS
OCT 08	00:37	12.0	13.7	25	10RB																PWS
OCT 08	01:37	12.0	12.3	33	10RB																PWS
OCT 08	02:37	12.0	11.6	31	10RB																PWS
OCT 08	03:37	12.0	11.2	25	10RB												32				PWS
OCT 08	04:37	12.0	11.1	24	10RB																PWS
OCT 08	05:37	12.0	11.0	13	10RB																PWS
OCT 08	07:52	12.0	10.8	24	10RB																PWS
OCT 08	08:37	12.0	10.3	34	10RB																PWS
OCT 08	09:37	12.0	10.4	41	10RB																PWS
OCT 08	10:37	12.0	9.72	34	10RB																PWS
OCT 08	11:37	12.0	8.85	28	10RB																PWS
OCT 08	12:37	12.0	7.88	32	10RB																PWS
OCT 08	13:22	12.0	7.46	38	10RB																PWS
OCT 08	13:37	12.0	7.35	18	10RB												30				PWS
OCT 08	14:37	12.0	8.91	15	10RB																PWS
OCT 08	15:07	12.0	8.89	24	10RB																PWS
OCT 08	15:37	12.0	8.47	16	10RB												38				PWS
OCT 08	16:07	12.0	8.26	19	10RB																PWS
OCT 08	16:37	12.0	8.02	20	10RB																PWS
OCT 08	17:37	12.0	5.80	14	10RB																PWS
OCT 08	18:07	12.0	5.41	21	10RB																PWS
OCT 08	21:32	12.0	4.23	36	10RB																PWS
OCT 08	23:32	12.0	3.67	13	10RB																PWS
OCT 09	01:32	12.0	3.19	16	10RB																PWS
OCT 09	03:32	12.0	2.87	13	10RB																PWS
OCT 09	05:32	12.0	3.16	31	10RB																PWS
OCT 09	07:32	12.0	4.57	45	10RB																PWS
OCT 09	08:32	12.0	6.32	18	10RB												31				PWS
OCT 09	09:32	12.0	8.83	28	10RB																PWS
OCT 09	10:32	12.0	11.1	16	10RB																PWS
OCT 09	11:32	12.0	15.7	16	10RB																PWS
OCT 09	12:32	12.0	25.8	26	10RB												41				PWS
OCT 09	13:32	13.0	26.9	61	10RB																PWS
OCT 09	13:47	12.0	25.6	29	10RB																PWS
OCT 09	14:47	12.0	21.1	28	10RB																PWS
OCT 09	15:17	12.0	18.6	26	10RB																PWS
OCT 09	15:47	12.0	16.8	13	10RB																PWS
OCT 09	16:32	12.0	15.1	28	10RB																PWS
OCT 09	16:47	13.0	14.5	24	10RB																PWS
OCT 09	17:32	13.0	13.2	16	10RB																PWS
OCT 09	18:02	12.0	12.4	21	10RB																PWS
OCT 09	18:32	12.0	11.7	11	10RB												33				PWS
OCT 09	19:32	12.0	10.1	16	10RB																PWS
OCT 09	20:32	12.0	8.83	32	10RB																PWS
OCT 09	21:00	12.0	1.80	5	10.7 M												28				DH48
OCT 09	21:02	12.0	8.00	28	10RB																PWS
OCT 09	21:03	12.0	1.80	10	13.7 M												28				DH48
OCT 09	21:05	12.0	1.80	11	15.2 M												21				DH48
OCT 09	21:06	12.0	1.65	11	16.7 M												41				DH48
OCT 09	21:10	12.0	1.55	11	18.3 M												38				DH48
OCT 09	21:27	12.0	7.80	33	10RB																PWS
OCT 09	22:12	12.0	8.77	14	10RB																PWS
OCT 09	22:57	12.0	8.20	17	10RB																PWS
OCT 09	23:57	12.0	5.88	23	10RB																PWS

NOTE : SINGLE VERTICAL LOCATED AT 10RB

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
OCT 10 00:57		10.9	5.46	11	10RB																PWS
OCT 10 01:57		10.9	5.29	12	10RB																PWS
OCT 10 02:57		10.9	5.19	10	10RB												34				PWS
OCT 10 03:57		10.9	5.33	13	10RB																PWS
OCT 10 05:12		10.9	5.73	11	10RB																PWS
OCT 10 05:27		10.9	5.61	20	10RB																PWS
OCT 10 06:12		10.9	6.06	13	10RB																PWS
OCT 10 07:12		10.9	6.36	6	10RB																PWS
OCT 10 08:12		10.9	6.51	12	10RB																PWS
OCT 10 08:53		10.9	1.31	3	10.7 M												29				DH48
OCT 10 08:55		10.9	1.31	3	13.7 M												24				DH48
OCT 10 08:57		10.9	1.31	4	15.2 M												28				DH48
OCT 10 09:00		10.9	1.31	4	16.8 M												25				DH48
OCT 10 09:02		10.9	1.31	4	18.3 M												27				DH48
OCT 10 09:12		10.9	6.52	12	10RB																PWS
OCT 10 10:29		10.9	5.85	6	10RB												35				PWS
OCT 10 11:29		10.9	5.27	9	10RB																PWS
OCT 10 12:14		10.9	5.04	1	10RB																PWS
OCT 10 12:29		10.9	4.97	2	10RB																PWS
OCT 10 13:29		10.9	4.88	4	10RB																PWS
OCT 10 13:59		10.9	4.54	8	10RB																PWS
OCT 10 14:44		10.9	4.33	10	10RB																PWS
OCT 10 16:44		10.9	3.81	10	10RB																PWS
OCT 10 18:44		10.9	3.29	5	10RB																PWS
OCT 10 20:44		10.9	2.85	15	10RB																PWS
OCT 10 22:44		10.9	2.50	8	10RB												30				PWS
OCT 11 12:44		10.6	1.89	7	10RB																PWS
OCT 12 10:44		10.3	4.05	11	10RB																PWS
OCT 12 13:14		10.3	5.06	8	10RB																PWS
OCT 12 14:44		10.3	4.49	12	10RB																PWS
OCT 12 16:44		10.3	3.88	8	10RB																PWS
OCT 12 18:44		10.3	3.37	8	10RB																PWS
OCT 12 20:44		10.3	3.46	7	10RB																PWS
OCT 12 22:44		10.3	3.59	4	10RB																PWS
OCT 13 00:44		9.3	3.61	5	10RB																PWS
OCT 13 02:44		9.3	3.63	5	10RB												32				PWS
OCT 13 04:44		9.3	3.62	1	10RB																PWS
OCT 13 06:44		9.3	3.52	3	10RB																PWS
OCT 13 08:44		9.3	3.40	1	10RB																PWS
OCT 13 10:44		9.3	3.34	5	10RB																PWS
OCT 13 12:44		9.3	3.25	8	10RB																PWS
OCT 13 14:44		9.3	3.15	5	10RB																PWS
OCT 13 17:14		9.3	2.80	8	10RB																PWS
OCT 13 18:59		9.3	2.68	9	10RB																PWS
OCT 13 20:44		9.3	3.41	11	10RB																PWS
OCT 15 13:14		8.5	0.693	10	10RB												46				PWS
OCT 16 13:14		8.1	0.384	8	10RB																PWS
OCT 17 13:14		8.0	0.305	3	10RB																PWS
OCT 18 13:45		8.0	0.223	5	10RB																PWS
OCT 19 13:44		8.0	0.194	10	10RB																PWS
OCT 20 13:42		8.0	0.167	9	10RB																PWS
OCT 22 13:41		7.8	0.128	8	10RB																PWS
OCT 23 13:38		8.5	0.154	11	10RB																PWS
OCT 24 13:38		8.2	0.159	6	10RB																PWS
OCT 25 02:20		8.8	8.10	30	10RB																PWS
OCT 25 03:20		8.8	8.57	18	10RB												44				PWS
OCT 25 04:20		8.8	8.15	18	10RB																PWS
OCT 25 05:20		8.8	5.53	15	10RB																PWS
OCT 25 06:20		8.8	4.92	16	10RB																PWS
OCT 25 08:20		8.8	3.76	13	10RB																PWS
OCT 25 10:20		8.6	2.73	9	10RB																PWS
OCT 25 14:20		8.8	1.83	8	10RB																PWS
OCT 25 15:20		8.8	1.79	7	10RB																PWS
OCT 26 14:23		8.0	1.19	8	10RB																PWS
OCT 27 14:11		7.8	0.711	8	10RB																PWS
OCT 29 14:32		8.3	0.359	5	10RB												29				PWS
OCT 30 14:50		8.5	0.440	8	10RB																PWS
OCT 31 14:52		8.1	0.306	6	10RB																PWS
NOV 01 14:40		8.4	1.10	17	10RB																PWS
NOV 02 09:28		8.0	2.83	6	10RB																PWS
NOV 02 11:28		8.0	4.81	8	10RB																PWS
NOV 02 13:13		8.0	8.85	12	10RB																PWS
NOV 02 14:13		8.0	8.19	14	10RB																PWS
NOV 02 15:13		8.0	8.84	27	10RB																PWS
NOV 02 16:13		8.0	10.7	39	10RB																PWS
NOV 02 17:13		8.0	11.5	4	10RB												28				PWS
NOV 02 18:13		8.0	10.5	20	10RB																PWS
NOV 02 19:13		8.0	9.06	14	10RB																PWS
NOV 02 20:13		8.0	7.93	16	10RB																PWS
NOV 02 21:13		8.0	7.04	16	10RB																PWS
NOV 02 22:13		8.0	6.63	8	10RB																PWS
NOV 02 23:16		8.0	6.22	12	10RB																PWS
NOV 03 00:16		8.5	5.81	7	10RB																PWS
NOV 03 01:16		8.5	5.40	9	10RB												33				PWS
NOV 03 02:16		8.5	5.08	8	10RB																PWS
NOV 03 03:16		8.5	4.84	7	10RB																PWS
NOV 03 04:16		8.5	4.83	8	10RB																PWS
NOV 03 06:46		8.5	4.98	8	10RB																PWS
NOV 03 07:16		8.5	5.08	8	10RB																PWS
NOV 03 09:16		8.5	4.83	8	10RB																PWS
NOV 03 11:16		8.5	4.60	5	10RB																PWS
NOV 03 13:16		8.5	4.38	4	10RB																PWS
NOV 03 15:16		8.5	4.02	3	10RB																PWS
NOV 03 17:16		8.5	3.88	5	10RB												36				PWS
NOV 03 19:16		8.5	3.30	4	10RB																PWS
NOV 03 21:16		8.5	3.11	4	10RB																PWS
NOV 03 23:19		8.5	2.96	2	10RB																PWS
NOV 04 01:19		8.0	2.81	3	10RB																PWS
NOV 04 03:48		8.0	2.72	7	10RB																PWS
NOV 04 05:48		8.0	2.77	8	10RB																PWS
NOV 04 07:48		8.0	2.71	4	10RB																PWS
NOV 04 09:48		8.0	2.61	8	10RB																PWS
NOV 05 15:52		7.0	0.838	11	10RB																PWS

NOTE : SINGLE VERTICAL LOCATED AT 10RB

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
NOV 06	15:55	7.5	1.15	5	1ORB												40				PWS
NOV 06	21:55	7.5	3.20	2	1ORB																PWS
NOV 06	23:58	7.5	3.46	3	1ORB																PWS
NOV 07	01:58	8.3	3.33	4	1ORB																PWS
NOV 07	03:58	8.3	3.07	4	1ORB																PWS
NOV 07	05:58	8.3	2.84	1	1ORB																PWS
NOV 07	07:58	8.3	2.62	3	1ORB																PWS
NOV 07	15:58	8.3	1.79	2	1ORB																PWS
NOV 08	16:01	7.2	0.833	5	1ORB																PWS
NOV 08	16:04	7.0	2.24	5	1ORB																PWS
NOV 10	16:07	7.0	1.20	3	1ORB												42				PWS
NOV 12	14:43	5.8	4.88	12	1ORB																PWS
NOV 12	15:43	5.8	5.83	5	1ORB																PWS
NOV 12	16:43	5.8	7.98	15	1ORB																PWS
NOV 12	17:43	5.8	7.84	9	1ORB																PWS
NOV 12	18:43	5.8	6.83	5	1ORB																PWS
NOV 12	22:43	5.8	3.95	4	1ORB																PWS
NOV 17	17:28	5.5	0.793	22	1ORB																PWS
NOV 17	21:58	5.5	2.22	15	1ORB																PWS
NOV 18	01:31	7.2	2.93	15	1ORB																PWS
NOV 18	03:31	7.2	3.26	15	1ORB												35				PWS
NOV 18	05:31	7.2	3.29	13	1ORB																PWS
NOV 18	07:31	7.2	3.27	10	1ORB																PWS
NOV 18	09:31	7.2	2.89	13	1ORB																PWS
NOV 18	11:31	7.2	2.61	6	1ORB																PWS
NOV 18	13:31	7.2	2.38	8	1ORB																PWS
NOV 18	07:49	7.5	3.15	12	1ORB																PWS
NOV 18	09:49	7.5	5.51	13	1ORB																PWS
NOV 18	10:49	7.5	6.73	14	1ORB																PWS
NOV 18	11:19	7.5	7.34	13	1ORB																PWS
NOV 18	12:04	7.5	7.87	15	1ORB												35				PWS
NOV 18	12:49	7.5	7.85	11	1ORB																PWS
NOV 18	13:49	7.5	7.01	20	1ORB																PWS
NOV 18	14:49	7.5	6.10	9	1ORB																PWS
NOV 18	15:49	7.5	5.32	14	1ORB																PWS
NOV 18	16:49	7.5	4.73	9	1ORB																PWS
NOV 18	17:19	7.5	4.44	15	1ORB																PWS
NOV 18	17:34	7.5	4.29	12	1ORB																PWS
NOV 18	19:34	7.5	3.43	9	1ORB																PWS
NOV 18	21:49	7.5	2.82	7	1ORB																PWS
NOV 18	23:35	7.5	2.47	9	1ORB												33				PWS
NOV 20	17:49	7.5	1.04	8	1ORB																PWS
NOV 21	18:07	6.5	0.481	5	1ORB																PWS
NOV 22	17:10	6.5	0.383	7	1ORB																PWS
NOV 23	05:55	7.7	5.19	23	1ORB																PWS
NOV 23	07:55	7.7	5.13	10	1ORB																PWS
NOV 23	08:10	7.7	4.88	4	1ORB																PWS
NOV 23	10:10	7.7	4.28	9	1ORB																PWS
NOV 23	12:10	7.7	3.87	5	1ORB																PWS
NOV 23	14:10	7.7	3.02	8	1ORB																PWS
NOV 23	16:13	7.7	2.58	6	1ORB												42				PWS
NOV 23	18:17	7.7	2.17	5	1ORB																PWS
NOV 24	18:38	5.8	0.830	7	1ORB																PWS
NOV 26	18:26	5.7	0.620	7	1ORB																PWS
NOV 27	18:31	5.7	1.45	5	1ORB																PWS
NOV 28	19:06	6.0	1.08	7	1ORB																PWS
NOV 29	19:12	5.0	1.13	7	1ORB																PWS
NOV 30	19:17	5.0	0.628	6	1ORB																PWS
DEC 01	19:22	4.8	0.365	6	1ORB																PWS
DEC 05	22:51	4.0	0.170	5	1ORB																PWS
DEC 06	22:51	3.8	0.236	16	1ORB												28				PWS
DEC 07	04:51	5.6	3.23	14	1ORB																PWS
DEC 07	06:51	5.6	5.21	17	1ORB																PWS
DEC 07	07:51	5.6	6.26	23	1ORB																PWS
DEC 07	08:51	5.6	7.33	20	1ORB																PWS
DEC 07	09:21	5.6	8.23	23	1ORB																PWS
DEC 07	10:51	5.6	8.96	23	1ORB																PWS
DEC 07	11:51	5.6	9.40	24	1ORB																PWS
DEC 07	12:51	5.6	9.30	24	1ORB																PWS
DEC 07	13:51	5.6	8.47	17	1ORB																PWS
DEC 07	14:51	5.6	7.63	12	1ORB												33				PWS
DEC 07	15:52	5.6	6.86	17	1ORB																PWS
DEC 07	16:52	5.6	6.15	7	1ORB																PWS
DEC 07	17:52	5.6	5.42	13	1ORB																PWS
DEC 07	18:53	5.6	4.84	11	1ORB																PWS
DEC 07	20:53	5.6	3.85	11	1ORB																PWS
DEC 07	22:53	5.6	3.22	8	1ORB																PWS
DEC 08	00:53	5.7	2.69	10	1ORB																PWS
DEC 08	10:54	5.7	1.62	13	1ORB																PWS
DEC 10	10:54	4.8	1.07	10	1ORB																PWS
DEC 11	10:24	4.9	0.852	15	1ORB												32				PWS
DEC 12	10:25	5.0	0.739	11	1ORB																PWS
DEC 13	10:25	4.8	0.446	11	1ORB																PWS
DEC 13	22:25	4.8	2.85	11	1ORB																PWS
DEC 13	23:56	4.8	5.53	10	1ORB																PWS

NOTE : SINGLE VERTICAL LOCATED AT 1ORB

CONTINUED

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
DEC 14	00:58	6.0	7.75	15	1ORB																PWS
DEC 14	01:56	6.0	10.1	20	1ORB																PWS
DEC 14	02:57	6.0	12.2	20	1ORB																PWS
DEC 14	03:27	6.0	13.2	84	1ORB																PWS
DEC 14	04:42	6.0	15.8	14	1ORB																PWS
DEC 14	05:27	6.0	17.2	38	1ORB																PWS
DEC 14	06:27	6.0	17.8	32	1ORB												27				PWS
DEC 14	07:43	6.0	16.6	42	1ORB																PWS
DEC 14	07:58	6.0	16.8	37	1ORB																PWS
DEC 14	08:58	6.0	13.6	31	1ORB																PWS
DEC 14	09:43	6.0	12.0	34	1ORB																PWS
DEC 14	10:29	6.0	10.7	26	1ORB																PWS
DEC 14	11:29	6.0	8.95	26	1ORB																PWS
DEC 14	12:59	6.0	7.24	11	1ORB																PWS
DEC 14	13:29	6.0	6.65	19	1ORB																PWS
DEC 14	14:30	6.0	5.98	23	1ORB																PWS
DEC 14	15:30	6.0	5.29	15	1ORB												33				PWS
DEC 14	16:30	6.0	4.66	14	1ORB																PWS
DEC 14	22:30	6.0	2.55	8	1ORB																PWS
DEC 15	10:31	5.0	1.31	8	1ORB																PWS
DEC 20	11:01	3.8	0.208	11	1ORB																PWS
DEC 26	11:26	4.0	0.199	10	1ORB																PWS
DEC 31	02:42	2.2	0.115	38	1ORB												36				PWS
																					PWS

NOTE : SINGLE VERTICAL LOCATED AT 1ORB

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1973	MAR-DEC	B-S	86	DEC 18	0	SEP 12 *	57.8	DEC 15	257	---	---	---
1974	JAN-DEC	B-C	87	SEP 18	0	JAN 28	30.1	NOV 24	278	0.78	0.78	---
1975	JAN-DEC	B-C	27	NOV 03	2	JAN 13	32.4	NOV 03	281	0.77	0.77	0.8
1976	JAN-DEC	B-C	17	DEC 07	0	JAN 21	12.6	DEC 07	118	0.32	0.82	23.8
1977	JAN-DEC	B-C	27	FEB 12	0	APR 30	30.6	FEB 12	148	0.40	0.56	21.1
1978	JAN-DEC	B-C	99	NOV 07	0	JAN 14	97.5	NOV 07	215	0.58	0.57	16.1
1979	JAN-DEC	B-C	41	DEC 17	0	JAN 17	47.8	DEC 17	197	0.54	0.56	13.4
1980	JAN-DEC	B-C	34	NOV 04	1	JAN 07	70.9	DEC 28	274	0.75	0.58	11.6
1981	JAN-DEC	B-C	17	FEB 15	0	FEB 10	14.3	OCT 31	123	0.34	0.56	12.0
1982	JAN-DEC	B-C	46	OCT 22	0	JAN 03	52.1	JAN 23	249	0.68	0.57	10.7
1983	JAN-DEC	B-C	49	FEB 11	0	JAN 15	84.7	FEB 11	238	0.65	0.58	8.5
1984	JAN-DEC	B-C	842	JAN 4 *	0	MAY 19	152	JAN 04 *	306 *	0.84	0.80	9.2

B - BOTH AUTOMATIC AND MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

CHILKO RIVER AT OUTLET OF CHILKO LAKE - STATION NO. 08MA002

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUN 5	15:23	8.7	2.34	3	17.0 M												80				DH48
JUN 5	15:28	8.7	5.16	2	32.0 M												80				DH48
JUN 5	15:34	8.7	2.70	2	47.0 M												81				DH48
JUN 5	15:42	8.7	3.00	2	82.0 M												85				DH48
JUN 5	15:47	8.7	3.78	3	80.0 M												81				DH48
JUN 21	12:03	9.5	8.37	4	25.0 M																D49
JUN 21	12:08	9.5	9.69	3	45.0 M																D49
JUN 21	12:12	9.5	10.8	2	65.0 M																D49
JUN 21	12:17	9.5	10.7	2	85.0 M																D49
JUN 21	12:21	9.5	11.5	5	100 M																D49
JUL 17	16:23	12.1	16.7	1	25.0 M												42				D49
JUL 17	16:29	12.1	17.6	1	45.0 M												51				D49
JUL 17	16:34	12.1	18.7	1	65.0 M												51				D49
JUL 17	16:39	12.1	20.4	1	85.0 M												45				D49
JUL 17	16:45	12.1	20.8	5	105 M												49				D49
AUG 14	08:58	13.9	19.0	2	25.0 M												47				D49
AUG 14	09:04	13.9	18.7	1	45.0 M												38				D49
AUG 14	09:07	13.9	20.0	3	65.0 M												45				D49
AUG 14	09:11	13.9	21.7	1	85.0 M												45				D49
AUG 14	09:16	13.9	24.3	2	105 M												47				D49
OCT 16	10:16	7.2	18.7	4	25.0 M												37				D49
OCT 16	10:22	7.2	19.9	3	45.0 M												30				D49
OCT 16	10:27	7.2	22.0	5	65.0 M												25				D49
OCT 16	10:33	7.2	22.3	2	85.0 M												32				D49
OCT 16	10:38	7.2	23.8	2	105 M												30				D49

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CHILKO RIVER AT OUTLET OF CHILKO LAKE - STATION NO. 08MA002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1982	JUL-SEP #	M-MS	4 SEP 13		3 JUL 08		---	---	---	---	---
1983	APR-AUG #	M-MS	14 JUL 14	*	1 JUN 15	*	---	---	---	---	---
1984	JUN-OCT	M-MS	5 JUN 21		1 JUL 17		---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

CHILKO RIVER NEAR REDSTONE - STATION NO. 08MA001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY 29	10:51	11.5	5.25	23	58.0 M												70				D49
MAY 29	10:57	11.5	5.11	9	54.0 M												78				D49
MAY 29	11:01	11.5	5.30	8	51.0 M												78				D49
MAY 29	11:05	11.5	5.58	9	47.0 M												75				D49
MAY 29	11:10	11.5	5.72	8	40.0 M												78				D49
JUN 27	13:24	9.8	28.9	26	28.0 M																P61
JUN 27	13:28	9.8	34.2	47	40.0 M																P61
JUN 27	13:33	9.8	38.1	23	46.5 M																P61
JUN 27	13:38	9.8	40.8	20	52.5 M																P61
JUN 27	13:42	9.8	38.8	31	58.5 M																P61
JUL 18	10:13	12.1	34.4	14	29.0 M												85				P61
JUL 18	10:17	12.1	40.2	28	39.0 M												58				P61
JUL 18	10:23	12.1	41.4	21	46.5 M												53				P61
JUL 18	10:26	12.1	44.0	18	52.5 M												56				P61
JUL 18	10:30	12.1	44.5	17	58.5 M												61				P61

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

CHILKO RIVER NEAR REDSTONE - STATION NO. 08NA001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)	SAMPLED CONCENTRATION MINIMUM (mg/L)	SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : HISTORICAL STANDARD ERROR OF MEAN %
1983	APR-SEP #	M-MS	45 MAY 30	7 APR 19 *	---	---	---	---	---
1984	MAY-JUL	M-MS	47 JUN 27 *	8 MAY 29	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

CHILLIWACK RIVER AT VEDDER CROSSING - STATION NO. 08MH001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)	SAMPLED CONCENTRATION MINIMUM (mg/L)	SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL STANDARD ERROR OF MEAN %
1965	JUN-DEC	M-S	280 SEP 15	4 JUL 13	1 100 SEP 15	25 500	---	---	---
1966	JAN-DEC	M-C	95 NOV 30	1 JUN 28	2 890 DEC 16	51 800	142	142	---
1967	JAN-DEC	M-C	140 JUN 27	2 APR 03	4 610 OCT 31	133 000	364	253	43.9
1968	JAN-DEC	M-C	250 SEP 17	3 APR 18	5 420 JUN 02	100 000	273	260	24.6
1969	JAN-DEC	M-C	103 MAR 31	2 AUG 15	2 130 MAY 24	63 200	173	238	21.2
1970	JAN-DEC	M-C	28 JUN 12	0 OCT 15 *	1 880 JUN 03	28 700	78.5	208	24.5
1971	JAN-DEC	M-C	219 FEB 01	0 JAN 04	7 130 JAN 31	80 300	220	208	19.8
1972	JAN-DEC	M-C	314 MAY 30	2 AUG 08	9 440 MAY 30	138 000	371	232	18.1
1973	JAN-DEC	M-C	155 MAY 24	2 JUL 09	2 380 MAY 24	44 000	121	216	17.8
1974	JAN-DEC	M-C	330 JUN 15	1 APR 10	10 200 JUN 15	150 000	410	238	16.9
1975	JAN-DEC	M-C	4 000 DEC 03 *	4 APR 15	183 000 DEC 03 *	535 000 *	1 470	362	35.4
1976	JAN-MAR #	M-MS	10 JAN 28	7 FEB 11	---	---	---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

S - SEASONAL OPERATION

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

CLEARWATER RIVER NEAR CLEARWATER STATION - STATION NO. 08LA001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)	SAMPLED CONCENTRATION MINIMUM (mg/L)	SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MAY-AUG MEAN LOAD (TONNES)	SUMMARY : MAY-AUG HISTORICAL MEAN LOAD (TONNES)	SUMMARY : MAY-AUG HISTORICAL STANDARD ERROR OF MEAN %
1972	MAY-AUG	M-S	78 JUN 13 *	2 AUG 14 *	12 200 JUN 12 *	226 000 *	1 840	1 840	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS - STATION NO. 08ND011

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1967	APR-DEC	M-S	450	JUN 03	5 DEC 15		134 000	JUN 03	3 140 000		---	---	---
1968	JAN-DEC	M-C	1 300	JUN 03 *	8 JAN 06		358 000	JUN 27	6 380 000	*	17 400	17 400	---
1969	APR-DEC	M-S	786	MAY 26	7 DEC 12		188 000	MAY 26	3 420 000		---	---	---
1970	APR-DEC	M-S	750	JUN 04	8 APR 21		185 000	JUN 04	2 950 000		---	---	---
1971	APR-DEC	M-S	369	JUN 03	1 DEC 14 *		93 400	JUN 03	2 970 000		---	---	---
1972	JAN-DEC	M-C	1 000	JUN 12	2 JAN 11		455 000	JUN 12 *	5 720 000		15 800	15 800	5.5
1973	MAR-DEC	M-S	889	JUN 23	4 DEC 24		128 000	JUN 23	1 080 000		---	---	---
1974	JAN-DEC	M-C	910	JUN 17	7 MAR 12		105 000	JUN 17	1 020 000		2 780	11 900	38.7
1975	JAN-DEC	M-C	258	JUL 26	4 SEP 20		18 100	JUL 08	1 010 000		2 780	8 840	41.3
1976	JAN-DEC	M-C	765	JUL 16	2 MAR 15		155 000	JUL 16	2 570 000		7 030	8 120	34.3

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

COLUMBIA RIVER AT BIRCHBANK - STATION NO. 08NE049

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1965	JUL-DEC	M-S	60	SEP 03	5 NOV 21		24 000	JUL 10	847 000		---	---	---
1966	JAN-DEC	M-C	75	JAN 08	2 AUG 28		14 300	JUN 09	850 000		2 330	2 330	---
1967	JAN-DEC	M-C	26	JUN 09	4 APR 20		22 100	JUN 22	1 130 000	*	3 080	2 710	14.0
1968	JAN-DEC	M-C	109	JUN 03 *	4 SEP 01		52 800	JUN 03 *	880 000		2 710	2 710	8.1
1969	JAN-DEC	M-C	35	APR 24	2 SEP 07		22 200	JUN 24	826 000		1 720	2 480	11.8
1970	JAN-DEC	M-C	19	MAY 05	1 NOV 08		4 410	JUN 08	278 000		763	2 120	18.3
1971	JAN-DEC	M-C	35	MAY 13	2 AUG 09		13 500	MAY 13	446 000		1 220	1 870	18.8
1972	JAN-DEC	M-C	41	MAY 31	1 JUL 28		20 800	MAY 31	510 000		1 390	1 880	16.9
1973	JAN-DEC	M-C	18	JUN 08	1 JAN 10		2 870	JUN 26	278 000		762	1 750	17.8
1974	JAN-DEC	M-C	51	JUN 17	1 AUG 15		15 700	JUN 17	428 000		1 170	1 880	18.6
1975	JAN-DEC	M-C	23	MAY 15	2 FEB 26		3 440	JUL 31	253 000		694	1 580	17.1
1976	JAN-DEC	M-C	20	MAY 11	0 DEC 21 *		5 630	MAY 11	385 000		859	1 530	18.4
1977	JAN-DEC	M-C	21	MAY 24	0 JAN 12		5 100	MAY 24	209 000		573	1 450	18.7
1978	JAN-DEC	M-C	18	JUN 06	1 AUG 06		3 220	SEP 05	371 000		1 020	1 420	15.9
1979	JAN-DEC	M-C	32	MAY 05	0 FEB 11		5 880	MAY 05	344 000		943	1 380	15.3
1980	JAN-DEC	M-C	63	MAY 05	0 JAN 11		11 800	APR 29	438 000		1 200	1 370	16.4
1981	JAN-DEC	M-C	33	MAY 25	1 AUG 10		6 610	MAY 25	388 000		850	1 350	13.8
1982	JAN-MAR #	M-MS	7	FEB 07	3 JAN 03		---		---		---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

COLUMBIA RIVER AT DONALD - STATION NO. 08NB005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1982	AUG-SEP #	M-MS	56	AUG 11	35 SEP 23		---		---		---	---	---
1983	MAY-OCT #	M-MS	238	MAY 27 *	9 OCT 06 *		---		---		---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

COLUMBIA RIVER AT NICHOLSON - STATION NO. 08NA002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1982	JUN-SEP #	M-MS	56	SEP 08	38	JUN 03	---		---		---	---	---
1983	MAY-OCT #	M-MS	88	MAY 25 *	6	OCT 07 *	---		---		---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

DICKEBUSCH CREEK NEAR THE MOUTH - STATION NO. 07FB004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : MAY-OCT MEAN LOAD (TONNES)	SUMMARY : MAY-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : MAY-OCT STANDARD ERROR OF MEAN %
1978	JUL-SEP #	M-MS	21	JUL 23	2	SEP 28	---		---		---	---	---
1980	MAY-OCT #	M-MS	43	AUG 29	3	OCT 28	---		---		---	---	---
1981	MAY-OCT	M-S	273	MAY 22	1	SEP 10 *	244	JUN 01	1 170		---	---	---
1982	MAY-OCT	M-S	9 180	JUL 14 *	5	JUN 29	21 400	JUL 15 *	37 500	*	204	204	---
1983	APR-OCT	M-S	2 240	JUL 15	4	SEP 08	4 420	JUL 14	12 400		85.6	135	51.3

M - MANUAL SAMPLING

S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

DUCK CREEK NEAR WYNNDEL - STATION NO. 08NH018

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 49 12 10 N LONG 116 31 56 W
DRAINAGE AREA: 57.0 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 343.76 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	0.430	4	0.15	0.393	1 S	0.03	0.372	2 S	0.06	1
2	0.425	4 S	0.15	0.384	1	0.03	0.378	2	0.07	2
3	0.420	4	0.15	0.384	1	0.03	0.368	2	0.06	3
4	0.555	8 S	0.38	0.368	1	0.03	0.358	2	0.06	4
5	0.579	6	0.25	0.383	1	0.03	0.365	2	0.06	5
6	0.481	3	0.12	0.384	1	0.03	0.373	1	0.03	6
7	0.475	3	0.12	0.383	1	0.03	0.377	1	0.03	7
8	0.488	3	0.12	0.374	1	0.03	0.385	1 S	0.03	8
9	0.457	3	0.12	0.388	1	0.03	0.414	1	0.04	9
10	0.451	3	0.12	0.385	1	0.03	0.462	2	0.08	10
11	0.434	3	0.11	0.391	1	0.03	0.505	2	0.09	11
12	0.433	3	0.11	0.393	1	0.03	0.505	2 S	0.09	12
13	0.422	2	0.07	0.393	1	0.03	0.515	2	0.09	13
14	0.372	2	0.06	0.384	1	0.03	0.501	2	0.09	14
15	0.369 B	3	0.10	0.387	1	0.03	0.504	2 S	0.09	15
16	0.372 B	3	0.10	0.376	1 S	0.03	0.531	2	0.09	16
17	0.376 B	3	0.10	0.371	1	0.03	0.547	2	0.09	17
18	0.381 B	3 S	0.10	0.370	1	0.03	0.541	2	0.09	18
19	0.385 B	3	0.10	0.369	1	0.03	0.538	2 S	0.09	19
20	0.388 B	3	0.10	0.373	1	0.03	0.553	3	0.14	20
21	0.394	3	0.10	0.381	2	0.07	0.786	5	0.33	21
22	0.391	3	0.10	0.385	2	0.07	0.720	3 S	0.18	22
23	0.385	3	0.10	0.379	2	0.07	0.730	3	0.19	23
24	0.398	3	0.10	0.382	2	0.07	0.724	3	0.19	24
25	0.480	5	0.21	0.372	2	0.06	0.701	2	0.12	25
26	0.414	5	0.18	0.370	2	0.06	0.684	2 S	0.12	26
27	0.406	4	0.14	0.370	2	0.06	0.655	3	0.17	27
28	0.414	4	0.14	0.371	2	0.06	0.640	4	0.22	28
29	0.413	4	0.14	0.386	2	0.06	0.629	6 S	0.33	29
30	0.388	3	0.10				0.614	5	0.27	30
31	0.393	2	0.07				0.601	4	0.21	31
TOTAL	13.167		4.01	11.037		1.18	16.565		3.81	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.582	3	0.15	0.897	2	0.16	2.30	11 S	2.18	1
2	0.583	2 S	0.10	0.883	4	0.34	2.14	12	2.22	2
3	0.604	2 S	0.10	0.922	2 S	0.16	2.03	12 S	2.10	3
4	0.605	2	0.10	0.888	2	0.16	2.08	12	2.17	4
5	0.684	2 S	0.12	0.928	2	0.16	2.56	14 S	3.10	5
6	0.694	2	0.12	0.951	2	0.16	2.46	9	1.91	6
7	0.678	2	0.12	0.854	2 S	0.16	2.59	9 S	2.01	7
8	0.687	2	0.12	1.00	7	0.80	3.59	41 S	12.7	8
9	0.678	1 S	0.06	1.15	21 S	2.09	3.83	42 S	14.3	9
10	0.679	2	0.12	1.08	3 S	0.28	3.45	23 S	6.86	10
11	0.651	2	0.11	1.08	3	0.28	3.29	18	5.12	11
12	0.635	2 S	0.11	1.09	3	0.28	3.28	21	5.95	12
13	0.627	2	0.11	1.17	5	0.51	3.47	26	7.80	13
14	0.644	3	0.17	1.45	9 S	1.13	4.00	44 S	15.2	14
15	0.768	5	0.34	1.56	10	1.38	4.80	88 S	38.0	15
16	1.08	8 S	0.75	1.84	8	1.13	4.48	58	20.4	16
17	1.33	12	1.38	1.62	6 S	0.70	4.10	45 S	15.8	17
18	1.26	13	1.42	1.80	7	0.87	3.62	23	6.99	18
19	1.40	16 S	1.94	1.72	15	2.23	3.34	16 S	4.62	19
20	1.80	19	2.63	1.82	19 S	2.99	3.44	19	5.85	20
21	1.47	15	1.91	1.83	11	1.74	4.11	36 S	12.8	21
22	1.35	10	1.17	1.81	7 S	1.09	3.64	30	9.43	22
23	1.21	4 S	0.62	1.88	7	1.12	3.29	19	5.40	23
24	1.12	3	0.28	1.83	7 S	1.11	3.21	16	4.44	24
25	1.07	3	0.26	1.82	6	0.94	3.19	13 S	3.58	25
26	1.02	3 S	0.25	1.81	6 S	0.94	3.14	12	3.26	26
27	0.990	3	0.26	1.80	6	0.83	2.85	10	2.55	27
28	0.976	3	0.25	1.82	6 S	0.84	2.74	10 S	2.37	28
29	0.836	3	0.24	2.06	28 S	4.98	2.60	10	2.42	29
30	0.905	2 S	0.18	2.88	57 S	14.1	2.37	8	1.84	30
31				2.80	15 S	3.63				31
TOTAL	27.586		15.31	46.824		47.38	96.11		226.26	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

DUCK CREEK NEAR WYNNDEL - STATION NO. 08NN018

SUSPENDED SEDIMENT FOR 1984

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	2.18	8	1.67	0.804	5	0.35	0.518	3	0.13	1
2	1.97	8 S	1.38	0.783	5	0.36	0.517	3	0.13	2
3	1.67	8	1.28	0.774	4	0.27	0.488	3 S	0.13	3
4	1.61	7	1.09	0.783	4	0.28	0.487	3	0.13	4
5	1.77	7 S	1.07	0.753	4	0.28	0.467	3	0.08	5
6	1.74	7	1.05	0.738	3 S	0.18	0.803	4 S	0.21	6
7	1.71	7	1.03	0.715	3	0.18	0.520	2	0.08	7
8	1.65	6	0.85	0.713	3	0.18	0.567	4	0.20	8
9	1.58	5 S	0.68	0.712	3	0.18	0.558	5	0.24	9
10	1.53	6	0.78	0.680	3	0.18	0.513	4 S	0.18	10
11	1.44	6	0.75	0.688	2	0.12	0.525	5	0.23	11
12	1.38	7 S	0.82	0.690	2	0.12	0.566	5	0.24	12
13	1.30	8	0.90	0.675	2 S	0.12	0.543	5	0.23	13
14	1.23	9	0.95	0.662	3	0.17	0.503	4	0.17	14
15	1.16	10	1.00	0.664	4	0.23	0.491	4	0.17	15
16	1.12	11 S	1.08	0.617	5 S	0.27	0.485	4	0.17	16
17	1.08	11	1.04	0.588	5	0.25	0.458	3 S	0.12	17
18	1.05	10	0.91	0.615	5	0.27	0.456	5	0.20	18
19	1.04	9	0.81	0.606	4	0.21	0.448	5	0.23	19
20	1.04	9	0.81	0.589	3 S	0.15	0.577	10 S	0.50	20
21	1.03	8	0.71	0.578	3	0.15	0.578	10	0.50	21
22	0.998	8	0.69	0.570	4	0.20	0.550	10	0.59	22
23	0.882	7 S	0.59	0.557	3	0.14	0.528	4	0.18	23
24	0.850	7	0.57	0.552	4	0.19	0.493	2 S	0.09	24
25	0.918	7	0.58	0.538	3	0.14	0.483	2	0.08	25
26	0.897	7	0.54	0.532	4	0.18	0.472	2	0.08	26
27	0.884	8	0.48	0.533	4 S	0.18	0.456	2	0.08	27
28	0.857	8	0.44	0.548	4	0.18	0.462	2	0.08	28
29	0.858	8	0.46	0.530	4	0.18	0.454	3	0.12	29
30	0.867	8 S	0.48	0.523	4	0.18	0.447	3	0.12	30
31	0.830	8	0.43	0.515	4	0.18				31
TOTAL	39.897		25.84	19.809		5.32	15.370		5.70	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.449	3 S	0.12	0.381	1	0.03	0.350	2	0.08	1
2	0.449	3	0.12	0.424	2	0.07	0.330	2	0.08	2
3	0.461	3	0.11	0.444	3	0.12	0.283	2 S	0.05	3
4	0.437	3	0.11	0.414	3	0.11	0.272 B	2	0.05	4
5	0.427	3	0.11	0.411	3 S	0.07	0.285 B	2	0.05	5
6	0.422	3	0.11	0.402	3	0.07	0.257 B	2	0.04	6
7	0.419	3	0.11	0.384	2	0.07	0.284 B	3	0.08	7
8	0.412	3 S	0.11	0.387	2	0.07	0.284 B	3	0.08	8
9	0.402	3	0.10	0.384	2	0.07	0.315 B	3	0.08	9
10	0.395	3	0.10	0.400	2	0.07	0.350	3 S	0.08	10
11	0.414	3	0.11	0.408	3	0.11	0.345	3	0.08	11
12	0.459	5	0.20	0.483	4 S	0.17	0.345	4	0.12	12
13	0.448	4	0.15	0.648	5 S	0.24	0.348	5 S	0.15	13
14	0.422	4	0.15	0.804	3	0.13	0.358	5	0.15	14
15	0.419	4 S	0.14	0.438	2	0.08	0.350	5	0.15	15
16	0.412	4	0.14	0.423	2	0.07	0.350	4	0.12	16
17	0.412	3	0.11	0.407	2	0.07	0.332	2	0.08	17
18	0.407	3	0.11	0.398	2	0.07	0.320	1	0.03	18
19	0.402	3	0.10	0.387	2 S	0.07	0.318 B	1	0.03	19
20	0.398	3	0.10	0.387	2	0.07	0.334 B	1	0.03	20
21	0.380	2	0.07	0.388	2	0.07	0.337	1	0.03	21
22	0.395	2 S	0.07	0.382	2	0.07	0.334	1	0.03	22
23	0.387	2	0.07	0.394	2	0.07	0.331	2	0.06	23
24	0.388	2	0.07	0.380	2	0.07	0.328	2 S	0.06	24
25	0.418	4	0.14	0.374	2	0.06	0.332	2	0.06	25
26	0.413	4	0.14	0.382	2 S	0.06	0.341	2	0.06	26
27	0.387	4	0.13	0.358	2	0.06	0.339	2	0.06	27
28	0.399	4	0.14	0.358	2	0.06	0.334	3	0.08	28
29	0.393	4 S	0.14	0.357	2	0.06	0.321	3	0.08	29
30	0.380	2	0.07	0.358	2	0.06	0.310	2	0.06	30
31	0.358	1	0.03				0.303	2	0.06	31
TOTAL	13.788		3.48	13.187		2.47	9.975		2.10	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

DUCK CREEK NEAR WYNNDEL - STATION NO. 08NH015

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00		DISSOLVED SOLIDS (mg/L)	PERCENT SAND SILT CLAY	TYPE OF SAMPLER
JAN 2	10:20	2.0	0.425 H	4	1ORB			135		DH48
JAN 4	14:20	1.5	0.570	9	1ORB			104		DH48
JAN 18	09:20	0.1	0.381 W	3	1ORB			130		DH48
FEB 1	13:50	3.0	0.383	1	1ORB			114		DH48
FEB 16	08:40	0.5	0.378	1	1ORB			128		DH48
MAR 1	11:30	3.0	0.374	2	1ORB			144		DH48
MAR 8	09:30	2.0	0.373	1	1ORB			134		DH48
MAR 12	10:05	3.0	0.489	2	1ORB					DH48
MAR 15	09:28	3.0	0.497	2	1ORB					DH48
MAR 19	08:40	3.0	0.528	2	1ORB					DH48
MAR 22	09:25	3.0	0.715	3	1ORB			118		DH48
MAR 26	08:50	3.0	0.687	2	1ORB					DH48
MAR 29	08:55	3.0	0.825	5	1ORB					DH48
APR 2	10:10	3.0	0.577	2	1ORB			121		DH48
APR 3	12:15	5.0	0.589	2	1ORB			137		DH48
APR 5	09:30	4.5	0.681	2	1ORB					DH48
APR 9	09:45	3.0	0.878	1	1ORB					DH48
APR 12	09:00	4.0	0.835	2	1ORB					DH48
APR 16	14:35	9.0	1.04	7	1ORB			117		DH48
APR 19	15:15	7.0	1.38	16	1ORB					DH48
APR 23	15:00	8.0	1.19	3	1ORB					DH48
APR 26	15:35	5.5	1.01	3	1ORB			120		DH48
APR 30	15:40	7.0	0.904	2	1ORB					DH48
MAY 3	13:35	7.5	0.918	2	1ORB			116		DH48
MAY 7	15:35	8.0	0.880	2	1ORB					DH48
MAY 9	11:30	8.5	1.12	23	1ORB			115		DH48
MAY 10	14:52	7.0	1.07	3	1ORB					DH48
MAY 14	15:08	7.0	1.50	11	1ORB					DH48
MAY 17	18:25	7.0	1.80	5	1ORB					DH48
MAY 20	14:45	7.0	1.78	18	1ORB					DH48
MAY 22	14:50	8.0	1.80	7	1ORB					DH48
MAY 24	15:40	8.5	1.84	7	1ORB			116		DH48
MAY 26	14:30	7.0	1.81	6	1ORB					DH48
MAY 28	15:05	9.5	1.82	7	1ORB					DH48
MAY 29	17:55	10.0	2.42	55	1ORB					DH48
MAY 30	16:05	9.5	2.85	59	10LB	X				DH48
MAY 31	10:15	5.0	2.83	10	10LB	X				DH48
JUN 1	15:20	8.0	2.21	15	10LB	X		98		DH48
JUN 3	15:15	7.0	1.98	12	10LB	X				DH48
JUN 5	15:40	7.0	2.88	15	10LB	X		96		DH48
JUN 7	15:10	8.0	2.56	9	10LB	X				DH48
JUN 8	13:55	8.0	3.92	51	10LB	X				DH48
JUN 9	15:12	8.0	4.00	45	10LB	X				DH48
JUN 10	15:45	8.0	3.22	17	10LB	X				DH48
JUN 14	15:20	10.5	4.21	47	10LB	X				DH48
JUN 15	15:55	8.0	4.70	99	10LB	X				DH48
JUN 17	15:55	9.0	4.07	42	10LB	X		89		DH48
JUN 19	13:05	8.5	3.24	15	10RB			99		DH48
JUN 21	15:20	7.0	4.88	49	10LB	X				DH48
JUN 25	15:40	11.0	3.22	13	10LB	X				DH48
JUN 28	15:50	11.0	2.80	10	10LB	X				DH48
JUL 2	15:10	11.0	1.95	6	10RB			117		DH48
JUL 5	15:00	9.0	1.78	7	10RB					DH48
JUL 9	14:45	10.0	1.58	5	10RB					DH48
JUL 12	10:00	9.0	1.38	7	10RB					DH48
JUL 16	16:00	11.0	1.11	11	10RB			145		DH48
JUL 23	15:15	12.5	0.877	7	10RB			119		DH48
JUL 30	14:55	14.0	0.845	8	10RB					DH48
AUG 6	16:12	14.0	0.727	3	10RB					DH48
AUG 13	17:05	13.0	0.671	2	10RB			121		DH48
AUG 16	10:15	10.0	0.622	5	10RB			124		DH48
AUG 20	10:50	10.0	0.600	3	10RB			149		DH48
AUG 27	12:40	11.0	0.524	4	10RB					DH48
SEP 3	13:35	10.5	0.483	3	10RB			137		DH48
SEP 6	09:45	9.0	0.829	2	10RB					DH48
SEP 10	11:10	9.0	0.516	4	10RB					DH48
SEP 17	08:35	7.5	0.473	3	10RB			138		DH48
SEP 20	10:40	8.0	0.481	8	10RB					DH48
SEP 24	14:30	7.0	0.488	2	10RB			136		DH48
OCT 1	11:10	5.5	0.448	3	10RB			138		DH48
OCT 8	11:10	5.0	0.416	3	10RB					DH48
OCT 15	11:45	4.5	0.412	4	10RB			138		DH48
OCT 22	14:52	5.0	0.398	2	10RB					DH48
OCT 29	09:45	2.0	0.392	4	10RB			139		DH48
NOV 5	14:15	5.0	0.414	2	10RB					DH48
NOV 12	10:55	4.0	0.488	4	10RB			140		DH48
NOV 13	12:00	4.0	0.517	4	10RB					DH48
NOV 13	16:35	3.5	0.525	5	10RB			137		DH48
NOV 18	11:15	3.5	0.398	2	10RB			133		DH48
NOV 26	14:25	1.0	0.377	3	10RB					DH48
DEC 3	12:35	0.1	0.283	2	10RB			132		DH48
DEC 10	10:05	2.0	0.352	2	10RB			138		DH48
DEC 13	10:45	0.5	0.344	5	10RB			129		DH48
DEC 24	10:55	0.5	0.328	2	10RB			141		DH48
								100		DH48

NOTE : SINGLE VERTICAL LOCATED AT 10RB

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL

DUCK CREEK NEAR WYNNDEL - STATION NO. 08NN018

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1979	APR-DEC	M-S	15	MAY 27	0	OCT 11 *	4.34	MAY 28	74.9		---	---	---
1980	JAN-DEC	M-C	184	APR 29	0	AUG 08	84.0	APR 29	472		1.28	1.28	---
1981	JAN-DEC	M-C	233	MAY 25 *	0	APR 06	117	MAY 25 *	613	*	1.68	1.49	13.1
1982	JAN-DEC	M-C	63	MAY 25	0	OCT 11	27.8	JUN 15	385		1.06	1.34	13.5
1983	JAN-DEC	M-C	126	MAY 28	1	MAR 25	80.8	MAY 28	812		1.68	1.43	10.7
1984	JAN-DEC	M-C	89	JUN 15	1	FEB 1	35.0	JUN 15	343		0.84	1.33	11.5

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

ELAND RIVER NEAR THE MOUTH - STATION NO. 08GA071

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
APR	5 14:28	5.5	4.83	3		13.0 M												34				D49
APR	5 14:51	5.5	5.87	2		20.0 M												33				D49
APR	5 15:01	5.5	5.89	2		26.0 M												29				D49
APR	5 15:12	5.5	6.82	1		32.0 M												30				D49
APR	5 15:21	5.5	7.35	2		38.0 M												31				D49
MAY	8 13:52	8.0	15.6	89		14.0 M																D49
MAY	8 14:02	8.0	16.6	110		22.0 M																D49
MAY	8 14:11	8.0	17.9	127		28.0 M																D49
MAY	8 14:20	8.0	17.2	85		34.0 M																D49
MAY	8 14:28	8.0	21.9	74		41.0 M																D49
JUN	28 15:53	8.0	50.1	224	F	14.0 M												31				D49
JUN	28 16:04	8.0	64.5	335	C	21.0 M												25				D49
JUN	28 16:13	8.0	64.4	278	F	28.0 M												28				D49
JUN	28 16:21	8.0	57.1	237		36.0 M												26				D49
JUN	28 16:31	8.0	71.8	180	F	43.0 M												29				D49
SEP	10 13:48	7.0	18.8	38		14.0 M												36				D49
SEP	10 13:56	7.0	21.5	44		22.0 M												18				D49
SEP	10 14:04	7.0	20.2	78		28.0 M												18				D49
SEP	10 14:14	7.0	21.4	38		34.0 M												11				D49
SEP	10 14:24	7.0	25.4	41		42.0 M												22				D49
OCT	24 10:40	5.0	6.33	19		15.0 M												30				D49
OCT	24 10:53	5.0	7.23	15		23.5 M												38				D49
OCT	24 11:03	5.0	7.08	15		28.0 M												33				D49
OCT	24 11:13	5.0	8.42	18		32.5 M												29				D49
OCT	24 11:23	5.0	7.88	17		38.0 M												32				D49

NOTE : SINGLE VERTICAL IS UNDETERMINED

CONCENTRATION SYMBOL(S): F - SAMPLE BOTTLE OVER FILLED C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

ELAND RIVER NEAR THE MOUTH - STATION NO. 08GA071

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1984	APR-OCT	M-MS	336	JUN 28 *	1	APR 6 *	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

ELK RIVER AT FERNIE - STATION NO. 08NK002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL STANDARD ERROR OF MEAN %
1970	JAN-DEC	M-C	388	MAY 27	1	AUG 17	7 230	MAY 27	72 600	199	199	---
1971	JAN-DEC	M-C	834	MAY 28	3	SEP 24	25 700	MAY 28	288 000	788	494	58.8
1972	JAN-DEC	M-C	1 520	MAY 31	0	AUG 19 *	55 600	MAY 31	540 000	1 480	922	45.0
1973	JAN-DEC	M-C	458	JUN 09	1	SEP 15	10 500	JUN 09	84 800	232	575	44.5
1974	JAN-DEC	M-C	1 680	JUN 18 *	0	OCT 19	90 000	JUN 18 *	954 000 *	2 610	1 080	42.6
1975	JAN-DEC	M-C	482	JUN 07	0	OCT 25	13 500	JUN 06	193 000	529	973	39.0
1976	JAN-DEC	M-C	409	AUG 05	2	JAN 08	11 300	MAY 11	145 000	395	891	37.1
1977	JAN-DEC	M-C	347	MAY 11	2	NOV 15	3 910	JUN 09	31 390	85.7	790	38.5

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

ELK RIVER NEAR NATAL - STATION NO. 08NK016

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL STANDARD ERROR OF MEAN %
1970	JAN-DEC	M-C	215	MAY 28	2	JUL 25	1 770	JUN 05	27 600	75.7	75.7	---
1971	JAN-DEC	M-C	222	MAY 27	1	SEP 08	2 850	JUN 08	85 400	178	127	40.7
1972	JAN-DEC	M-C	850	JUN 19	0	NOV 07 *	10 100	JUN 19	177 000	482	245	49.8
1973	JAN-DEC	M-C	198	MAY 17	1	APR 18	1 300	MAY 18	29 000	75.4	204	48.9
1974	JAN-DEC	M-C	1 870	JUN 21 *	0	OCT 18	44 800	JUN 21 *	331 000 *	906	344	48.2
1975	JAN-DEC	M-C	183	JUN 04	0	NOV 11	1 650	JUN 03	41 900	115	308	44.2
1976	JAN-DEC	M-C	86	APR 30	1	OCT 12	875	MAY 11	23 300	63.8	272	43.9
1977	JAN-DEC	M-C	48	FEB 02	1	APR 21	361	JUN 08	8 140	22.3	240	45.0

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FELL CREEK NEAR NELSON - STATION NO. 08NJ129

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JAN 1	10:15	1.0	0.023	1	10LB												88				DIP
JAN 8	14:10	2.0	0.037	0	10LB																DIP
JAN 15	15:00	0.0	0.030	4	10LB												72				DIP
JAN 22	13:20	0.5	0.025	1	10LB																DIP
JAN 29	13:50	2.0	0.026	4	10LB												73				DIP
FEB 5	15:30	2.0	0.024	0	10LB																DIP
FEB 12	13:05	2.0	0.023	1	10LB												83				DIP
FEB 19	15:15	1.0	0.022	1	10LB																DIP
FEB 26	15:05	1.0	0.021	0	10LB												88				DIP
MAR 4	12:35	1.5	0.020	2	10LB												27				DIP
MAR 7	13:10	2.2	0.021	4	10LB												73				DIP
MAR 11	15:39	2.2	0.029	4	10LB																DIP
MAR 14	13:42	2.2	0.029	3	10LB																DIP
MAR 18	13:45	3.0	0.034	3	10LB																DIP
MAR 21	14:02	3.0	0.089	7	10LB												71				DIP
MAR 25	10:35	2.0	0.048	3	10LB																DIP
MAR 28	08:35	2.5	0.046	4	10LB																DIP
APR 1	13:25	3.0	0.043	2	10LB																DIP
APR 4	17:59	3.7	0.044	2	10LB																DIP
APR 8	16:00	3.0	0.051	3	10LB												88				DIP
APR 11	10:58	3.0	0.047	3	10LB																DIP
APR 15	21:25	3.0	0.083	13	10LB																DIP
APR 16	15:42		0.105	34 C	10LB																DIP
APR 17	13:51	4.0	0.183	13	10LB																DIP
APR 18	11:31	4.0	0.163	11	10LB																DIP
APR 19	17:43	4.0	0.174	4	10LB																DIP
APR 20	15:50	4.0	0.194	5	10LB												47				DIP
APR 21	17:55	3.5	0.194	4	10LB																DIP
APR 22	15:10	3.5	0.180	3	10LB																DIP
APR 23	15:10	3.5	0.183	2	10LB																DIP
APR 24	14:17	4.0	0.142	3	10LB																DIP
APR 25	15:55	4.0	0.137	3	10LB																DIP
APR 26	15:20	4.0	0.117	5	10LB																DIP
APR 27	15:55	3.0	0.113	2	10LB																DIP
APR 28	14:45	3.5	0.106	2	10LB																DIP
APR 29	15:50	3.5	0.099	3	10LB																DIP
APR 30	15:55	3.5	0.093	1	10LB																DIP
MAY 1	15:03	4.5	0.089	5	10LB																DIP
MAY 2	17:24	4.0	0.095	3	10LB												85				DIP
MAY 3	17:45	4.0	0.089	2	10LB																DIP
MAY 4	14:36	4.0	0.085	3	10LB																DIP
MAY 5	13:55	3.5	0.082	2	10LB																DIP
MAY 6	11:15	4.0	0.079	1	10LB																DIP
MAY 7	15:07	5.0	0.085	0	10LB																DIP
MAY 8	17:20	4.0	0.099	3	10LB																DIP
MAY 9	15:15	4.0	0.110	3	10LB												85				DIP
MAY 10	17:10	4.5	0.103	1	10LB																DIP
MAY 11	15:35	4.0	0.105	3	10LB																DIP
MAY 12	15:55	5.0	0.130	4	10LB																DIP
MAY 13	20:15	4.5	0.162	10	10LB																DIP
MAY 14	13:45	4.5	0.158	13	10LB																DIP
MAY 15	15:35	4.3	0.197	12	10LB																DIP
MAY 16	13:00	4.5	0.154	5	10LB																DIP
MAY 17	11:45	4.5	0.155	5	10LB																DIP
MAY 18	12:25	5.0	0.154	15	10LB																DIP
MAY 19	09:45	4.5	0.214	15	10LB																DIP
MAY 20	14:15	4.5	0.266	12	10LB												85				DIP
MAY 21	15:59		0.238	12	10LB																DIP
MAY 22	15:25	5.0	0.211	7	10LB																DIP
MAY 23	15:45	5.0	0.237	5	10LB																DIP
MAY 24	15:25	5.0	0.199	5	10LB																DIP
MAY 25	15:10	5.0	0.158	5	10LB																DIP
MAY 26	11:35	5.0	0.183	4	10LB																DIP
MAY 27	15:55	5.5	0.191	7	10LB																DIP
MAY 28	13:45	5.0	0.196	5	10LB																DIP
MAY 29	08:45	5.5	0.226	4	10LB																DIP
MAY 30	13:40	4.5	0.378	81	10LB																DIP
MAY 30	15:44	5.0	0.378	117	10LB																DIP
MAY 31	07:15	4.0	0.345	15	10LB												74				DIP
JUN 1	15:40	5.5	0.289	5	10LB																DIP
JUN 2	12:55	5.0	0.235	5	10LB																DIP
JUN 3	15:35	5.0	0.229	7	10LB												55				DIP
JUN 4	19:25	5.0	0.273	5	10LB																DIP
JUN 5	17:25	5.0	0.315	4	10LB																DIP
JUN 6	15:20	5.0	0.273	5	10LB																DIP
JUN 7	15:15	5.0	0.331	7	10LB																DIP
JUN 8	14:30	5.0	0.387	35 C	10LB																DIP
JUN 9	14:20	5.0	0.412	13	10LB																DIP
JUN 10	19:30	5.5	0.273	5	10LB																DIP
JUN 11	15:20	7.0	0.282	11	10LB																DIP
JUN 12	07:10	5.0	0.338	3	10LB																DIP
JUN 13	08:20	5.0	0.348	7	10LB																DIP
JUN 14	07:30	5.0	0.355	8	10LB																DIP
JUN 15	06:10	5.5	0.434	24	10LB												45				DIP
JUN 15	19:30	5.0	0.521	84 C	10LB																DIP
JUN 17	10:40	5.0	0.441	311 C	10LB																DIP
JUN 18	08:25	5.0	0.384	8	10LB																DIP
JUN 19	07:05	5.0	0.349	11	10LB																DIP
JUN 20	09:20	5.5	0.315	8	10LB																DIP
JUN 21	08:55	5.5	0.308	5	10LB																DIP
JUN 22	07:14	7.0	0.352	4	10LB																DIP
JUN 23	18:30	8.0	0.344	5	10LB												48				DIP
JUN 24	16:41	9.0	0.318	4	10LB																DIP
JUN 25	14:29	10.0	0.310	3	10LB																DIP
JUN 26	10:26	8.0	0.301	3	10LB																DIP
JUN 27	15:25	9.0	0.274	5	10LB																DIP
JUN 28	12:10	9.0	0.288	4	10LB																DIP
JUN 29	15:25	8.0	0.330	8	10LB																DIP
JUN 30	10:33	8.0	0.282	4	10LB																DIP
JUL 1	12:56	7.0	0.251	3	10LB												59				DIP
JUL 2	09:37	7.0	0.268	8	10LB																DIP
JUL 3	15:10	10.0	0.211	4	10LB																DIP
JUL 4	13:02	8.0	0.194	8	10LB																DIP

NOTE : SINGLE VERTICAL LOCATED AT 10LB

CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT O - ORGANIC MATERIAL PRESENT

CONTINUED

FELL CREEK NEAR NELSON - STATION NO. 08NJ129 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JUL 5	14:34	12.0	0.183	7	10LB																DIP
JUL 6	15:30	8.0	0.158	5	10LB																DIP
JUL 7	15:30	8.5	0.146	9	10LB																DIP
JUL 8	17:50	8.0	0.132	2	10LB																DIP
JUL 9	16:15	10.0	0.127	1	10LB																DIP
JUL 10	17:10	12.0	0.125	1	10LB																DIP
JUL 11	08:12	8.5	0.120	3	10LB																DIP
JUL 12	17:25	11.0	0.108	3	10LB												71				DIP
JUL 13	17:20	10.5	0.101	1	10LB																DIP
JUL 14	16:58	12.0	0.098	2	10LB												43				DIP
JUL 15	20:48	11.0	0.091	1	10LB																DIP
JUL 16	09:05	12.0	0.080	3	10LB																DIP
JUL 22	15:10	11.0	0.064	1	10LB																DIP
JUL 25	10:59	13.0	0.058	1	10LB												66				DIP
JUL 28	17:30	15.0	0.050	0	10LB																DIP
AUG 5	17:55	13.5	0.032	1	10LB																DIP
AUG 12	16:00	14.0	0.028	2	10LB												72				DIP
AUG 19	13:40	14.0	0.025	0	10LB												74				DIP
AUG 26	20:16	11.0	0.018	2	10LB																DIP
SEP 2	14:15	10.0	0.016	1	10LB												71				DIP
SEP 9	15:59		0.022	1	10LB																DIP
SEP 16	08:11	8.0	0.017	2	10LB												74				DIP
SEP 23	13:25	7.0	0.018	1	10LB																DIP
SEP 30	18:10		0.016	2	10LB												70				DIP
OCT 7	13:10	5.0	0.014	1	10LB																DIP
OCT 14	15:45	7.0	0.017	1	10LB												64				DIP
OCT 21	16:10	4.0	0.013	0	10LB												66				DIP
OCT 28	08:32	3.0	0.014	5	10LB												64				DIP
NOV 4	12:45		0.012	2	10LB																DIP
NOV 11	15:00	3.0	0.014	0	10LB												78				DIP
NOV 18	12:40	1.0	0.014	0	10LB																DIP
NOV 26	13:45	2.0	0.013	0	10LB												67				DIP
DEC 2	14:10	0.0	0.012	0	10LB																DIP
DEC 9	14:00	0.0	0.011	0	10LB																DIP
DEC 17	16:30	1.0	0.010	1	10LB												66				DIP
DEC 23	14:55	5.0	0.011	3	10LB												69				DIP
DEC 30	15:45	2.0	0.010	1	10LB																DIP

NOTE : SINGLE VERTICAL LOCATED AT 10LB

FELL CREEK NEAR NELSON - STATION NO. 08NJ129

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1983	JAN-DEC #	M-MS	180	MAY 25	0	JAN 30 *	---	---	---	---	---
1984	JAN-DEC	M-MS	311	JUN 17 *	0	JAN 8	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ169

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 49 31 08 N LONG 117 12 44 W
DRAINAGE AREA: km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 241.36 TONNES FOR THE PER.OD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	0.405 B	2 S	0.07	0.314 B	2	0.05	0.200 B	3	0.05	1
2	0.395 B	2	0.07	0.306 B	3	0.08	0.197 B	3	0.05	2
3	0.415 B	2	0.07	0.303 B	5	0.13	0.193 B	2	0.03	3
4	0.620 B	2	0.11	0.300 B	7	0.18	0.187 B	2 S	0.03	4
5	0.720 B	2	0.12	0.298 B	8 S	0.21	0.188 B	2	0.03	5
6	0.600 B	3	0.15	0.294 B	8	0.20	0.200 B	2	0.03	6
7	0.570 B	3	0.15	0.292 B	7	0.18	0.211 B	2 S	0.04	7
8	0.555 B	3 S	0.14	0.287 B	6	0.15	0.220 B	2	0.04	8
9	0.528 B	3	0.14	0.283 B	5	0.15	0.250 B	1	0.02	9
10	0.534 B	3	0.14	0.276 B	5	0.12	0.260 B	1	0.02	10
11	0.518 B	2	0.09	0.267 B	5	0.12	0.274 B	1 S	0.02	11
12	0.508 B	2	0.08	0.267 B	5 S	0.12	0.276 B	2	0.05	12
13	0.490 B	2	0.08	0.262 B	5	0.11	0.275 B	2	0.05	13
14	0.480 B	2	0.08	0.247 B	5	0.11	0.277 B	3 S	0.07	14
15	0.460 B	2 S	0.08	0.241 B	5	0.12	0.279 B	3	0.07	15
16	0.436 B	2	0.08	0.238 B	5	0.12	0.280 B	3	0.07	16
17	0.330 B	2	0.06	0.234 B	5	0.12	0.285	3	0.07	17
18	0.310 B	1	0.03	0.234 B	7	0.14	0.280 B	3 S	0.07	18
19	0.297 B	1	0.03	0.228 B	7 S	0.14	0.281 B	3	0.07	19
20	0.299 B	1	0.03	0.226 B	8	0.12	0.282	3	0.08	20
21	0.295 B	1	0.03	0.222 B	4	0.08	0.501	11	0.48	21
22	0.295 B	1 S	0.03	0.222 B	2	0.04	0.509	3 S	0.13	22
23	0.297 B	1	0.03	0.221 B	2 S	0.04	0.445	2	0.08	23
24	0.300 B	1	0.03	0.218 B	2	0.04	0.424	2	0.07	24
25	0.314 B	1	0.03	0.217 B	3	0.06	0.404	2 S	0.07	25
26	0.318 B	1	0.03	0.215 B	3 S	0.06	0.398	3	0.10	26
27	0.319 B	1	0.03	0.211 B	3	0.05	0.387	4	0.13	27
28	0.314 B	1	0.03	0.209 B	3	0.05	0.385	6 S	0.20	28
29	0.313 B	1 S	0.03	0.204 B	3	0.05	0.384	5	0.17	29
30	0.313 B	1	0.03				0.387	5	0.17	30
31	0.315 B	1	0.03				0.387	4	0.13	31
TOTAL	12.877		2.15	7.338		3.14	9.515		2.89	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	0.387 B	3 S	0.10	0.813	2 S	0.14	4.84	1 S	0.42	1
2	0.380	3	0.10	0.811	1 S	0.07	4.57	4	1.58	2
3	0.378	3	0.10	0.790	1 S	0.07	4.45	8 S	2.31	3
4	0.379	3 S	0.10	0.784	1 S	0.07	4.54	3 S	1.18	4
5	0.383	4	0.14	0.784	2 S	0.13	5.15	3	1.34	5
6	0.410	3	0.11	0.739	4 S	0.26	5.05	5 S	2.18	6
7	0.403	2	0.07	0.748	2 S	0.13	5.42	5 S	2.34	7
8	0.401	2 S	0.07	0.750	4 S	0.27	7.19	10 S	6.21	8
9	0.392	3	0.10	0.825	5 S	0.40	8.99	3 S	1.81	9
10	0.382	4	0.14	0.837	2	0.14	5.97	2 S	1.03	10
11	0.388	8 S	0.20	0.818	7 S	0.49	5.84	3 S	1.51	11
12	0.381 B	5	0.16	0.825	8 S	0.54	6.89	7 S	4.05	12
13	0.377	6	0.20	1.05	8 S	0.48	7.86	8 S	3.44	13
14	0.387	6	0.20	1.49	4 S	0.51	9.39	16 S	14.8	14
15	0.493	11 S	0.47	1.81	2 S	0.28	12.7	28 S	31.8	15
16	0.783	20	1.37	1.88	2 S	0.29	11.7	10 S	10.1	16
17	1.27	27	2.98	1.70	2 S	0.29	9.22	5 S	3.98	17
18	1.11	4 S	0.38	1.78	1 S	0.15	7.52	5 S	3.28	18
19	1.13	4 S	0.39	2.85	5 S	1.23	5.90	3 S	1.78	19
20	1.29	4 S	0.45	4.16	9 S	3.23	6.83	8 S	3.44	20
21	1.38	4 S	0.47	3.07	0 S	0	7.74	8 S	4.01	21
22	1.30	8 S	0.90	2.87	0 S	0	7.07	4 S	2.44	22
23	1.22	8 S	0.83	2.93	1 S	0.25	8.61	3 S	1.89	23
24	1.13	4 S	0.39	2.85	2 S	0.46	9.16	8 S	4.95	24
25	1.08	7 S	0.84	2.39	1 S	0.21	7.81	7 S	4.78	25
26	0.873	7 S	0.59	2.36	0 S	0	8.90	5 S	3.87	26
27	0.828	5 S	0.48	2.36	1 S	0.21	8.72	3 S	2.28	27
28	0.801	5 S	0.47	2.74	5 S	1.18	8.03	4 S	2.77	28
29	0.847	8 S	0.59	3.89	20 S	6.89	12.9	27 S	30.1	29
30	0.828	2 S	0.14	7.20	23 S	14.3	7.19	3 S	1.86	30
31				8.48	8 S	4.48				31
TOTAL	22.072		13.11	84.889		37.32	220.48		158.89	TOTAL

B - ICE CONDITIONS S - SAMPLE(S) COLLECTED THIS DAY

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ188

SUSPENDED SEDIMENT FOR 1984

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	5.84	4 S	2.05	0.768	1 S	0.06	0.291	1	0.03	1
2	5.31	2 S	0.92	0.705	1	0.06	0.278	1 S	0.02	2
3	5.14	2 S	0.88	0.682	1	0.06	0.271	1	0.02	3
4	5.08	3 S	3.51	0.858	1	0.06	0.253	2	0.04	4
5	5.25	5 S	2.27	0.844	1	0.06	0.258	2	0.04	5
6	4.79	2 S	0.83	0.805	4	0.28	0.767	5	0.40	6
7	3.89	4 S	1.34	0.850	1	0.06	0.488	3	0.08	7
8	3.41	2 S	0.59	0.810	1	0.06	0.484	2	0.06	8
9	3.25	1 S	0.26	0.577	1	0.06	0.479	2 S	0.08	9
10	3.29	4 S	1.13	0.548	1	0.06	0.438	2	0.08	10
11	3.18	3 S	0.82	0.538	0	0	0.488	2	0.08	11
12	2.98	2 S	0.51	0.522	0 S	0	0.501	2	0.09	12
13	2.72	3 S	0.71	0.497	0	0	0.439	2	0.08	13
14	2.42	3 S	0.63	0.471	0	0	0.374	2	0.08	14
15	2.36	2 S	0.41	0.449	1	0.04	0.339	2	0.08	15
16	2.35	1	0.20	0.418	1	0.04	0.320	2 S	0.08	16
17	2.28	1 S	0.20	0.409	1	0.04	0.313	2	0.05	17
18	2.03	0 S	0	0.424	2	0.07	0.307	2	0.05	18
19	1.76	0	0	0.485	2 S	0.08	0.296	3	0.08	19
20	1.64	1	0.13	0.434	2	0.07	0.433	4	0.15	20
21	1.39	2	0.24	0.387	2	0.07	0.802	4	0.21	21
22	1.22	2 S	0.21	0.382	2	0.06	0.511	3	0.13	22
23	1.13	2	0.20	0.329	1	0.03	0.427	3 S	0.11	23
24	1.09	2	0.18	0.318	1	0.03	0.376	3	0.10	24
25	1.05	2	0.18	0.313	1	0.03	0.354	2	0.08	25
26	1.08	2	0.18	0.307	1 S	0.03	0.338	2	0.08	26
27	1.00	3	0.17	0.405	3	0.10	0.320	2	0.08	27
28	0.898	1	0.08	0.383	2	0.07	0.308	1	0.03	28
29	0.840	1	0.07	0.325	1	0.03	0.305	1	0.03	29
30	0.827	1	0.07	0.312	1	0.03	0.289	0 S	0	30
31	0.800	1	0.07	0.300	1	0.03				31
TOTAL	80.243		19.08	15.006		1.84	11.832		2.43	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	0.298	0	0	0.180 B	15	0.23	0.199	1	0.02	1
2	0.307	1	0.03	0.210 B	8	0.15	0.195	1 S	0.02	2
3	0.297	1	0.03	0.216 B	3	0.06	0.185 B	4	0.06	3
4	0.293	1	0.03	0.212 B	1 S	0.02	0.177 B	1	0.02	4
5	0.359	2	0.06	0.210 B	1	0.02	0.171	1	0.01	5
6	0.318	1	0.03	0.211 B	1	0.02	0.168	1	0.01	6
7	0.302	1 S	0.03	0.206 B	1	0.02	0.174	1	0.02	7
8	0.293	1	0.03	0.209 B	1	0.02	0.178	2	0.03	8
9	0.290	1	0.03	0.210	1	0.02	0.176	1	0.02	9
10	0.282	1	0.02	0.210	1	0.02	0.176	1	0.02	10
11	0.298	0	0	0.213	1 S	0.02	0.167	1	0.01	11
12	0.410	0	0	0.248	1	0.02	0.166	1	0.01	12
13	0.380	0	0	0.437	4	0.15	0.162	1	0.01	13
14	0.328	0 S	0	0.412	3	0.11	0.161	3	0.04	14
15	0.301	0	0	0.337	1	0.03	0.166	8	0.09	15
16	0.294	1	0.03	0.282 B	3	0.07	0.166	8 S	0.12	16
17	0.282	1	0.02	0.245 B	2	0.04	0.140	7	0.08	17
18	0.265	1	0.02	0.229 B	0 S	0	0.125	4	0.04	18
19	0.248	1 S	0.02	0.211 B	0	0	0.126	4	0.04	19
20	0.270	1	0.02	0.212 B	0	0	0.124	7	0.08	20
21	0.261	2 S	0.04	0.217 B	0	0	0.128	8 S	0.09	21
22	0.229	2	0.04	0.224	0	0	0.128	5	0.05	22
23	0.224	1	0.02	0.228	0	0	0.134	4	0.05	23
24	0.238	1	0.02	0.221	0	0	0.135	3	0.04	24
25	0.258	1	0.02	0.208	1 S	0.02	0.131	3	0.03	25
26	0.338	1	0.02	0.204	0	0	0.130	3	0.03	26
27	0.353	1	0.02	0.202	0	0	0.129	3	0.03	27
28	0.327	1	0.02	0.202	0	0	0.128	3	0.03	28
29	0.222 B	1 S	0.02	0.205	0	0	0.128	3	0.03	29
30	0.217 B	3	0.04	0.203	1	0.02	0.117	3	0.03	30
31	0.204 B	5	0.09				0.114	3	0.03	31
TOTAL	8.684		0.75	7.010		1.08	4.703		1.20	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ168

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN 1	13:28	0.5	0.405	W	2		WELB												33				DIP
JAN 8	12:32	1.0	0.595	W	3		WELB																DIP
JAN 15	11:45	0.1	0.480	W	2		WELB												35				DIP
JAN 22	13:02	0.1	0.296	W	1		WELB																DIP
JAN 29	15:43	1.0	0.313	W	1		WELB												32				DIP
FEB 5	13:04	0.5	0.298	W	8		WELB																DIP
FEB 12	13:00	1.0	0.267	W	5		WELB												31				DIP
FEB 19	15:45	1.0	0.228	W	7		WELB																DIP
FEB 23	15:07	2.0	0.221	W	2		WELB												38				DIP
FEB 26	18:03	1.0	0.215	W	3		WELB																DIP
MAR 4	17:04	0.5	0.187	W	2		WELB												35				DIP
MAR 7	17:35	1.5	0.211	W	2		WELB																DIP
MAR 11	17:37	2.0	0.274	W	1		WELB																DIP
MAR 14	17:00	1.5	0.277	W	3		WELB												31				DIP
MAR 18	16:00	1.5	0.280	W	3		WELB																DIP
MAR 22	16:26	1.5	0.467		2		WELB																DIP
MAR 25	12:54	1.0	0.401		1		WELB																DIP
MAR 28	15:35	1.5	0.381		6		WELB																DIP
APR 1	15:25	1.5	0.387	W	3		WELB												42				DIP
APR 4	14:33	1.5	0.379		3		WELB																DIP
APR 8	12:41	0.8	0.401		2		WELB																DIP
APR 11	14:17	1.5	0.387		6		WELB																DIP
APR 15	15:01	2.0	0.449		5		WELB																DIP
APR 18	12:10	5.0	1.26		2		MULT	M															D48
APR 18	12:30E	5.0	1.11	H	6		WELB												39				DIP
APR 18	17:22	2.0	1.03		4		WELB																DIP
APR 19	18:10	1.5	1.20		4		WELB																DIP
APR 20	15:10	1.5	1.33		3		WELB																DIP
APR 21	17:39	2.0	1.37		3		WELB																DIP
APR 22	17:38	2.0	1.27		7		WELB																DIP
APR 23	17:35	2.0	1.20		6		WELB																DIP
APR 24	13:55	2.0	1.13		4		WELB																DIP
APR 25	15:23	1.8	1.05		10		WELB																DIP
APR 26	13:37	2.0	0.880		7		WELB																DIP
APR 27	11:45	3.0	0.826		25	G	WELB																DIP
APR 28	11:36	1.5	0.800		6		WELB																DIP
APR 29	10:15	1.5	0.844		10		WELB																DIP
APR 30	11:33	2.0	0.826		0		WELB												33				DIP
MAY 1	15:23	2.5	0.811		2		WELB																DIP
MAY 2	14:54	2.0	0.814		1		WELB																DIP
MAY 3	08:26	1.5	0.787		2		WELB																DIP
MAY 4	17:28	2.0	0.759		0		WELB																DIP
MAY 5	18:18	2.0	0.748		2		WELB																DIP
MAY 6	12:43	2.5	0.730		4		WELB																DIP
MAY 7	17:34	2.0	0.753		2		WELB																DIP
MAY 8	17:05	3.0	0.804		4		WELB																DIP
MAY 9	17:58	2.0	0.900		1		WELB																DIP
MAY 11	19:23	2.0	0.819		11		WELB																DIP
MAY 12	17:25	2.0	0.978		3		WELB																DIP
MAY 13	12:37	2.5	0.953		3		WELB																DIP
MAY 14	14:24	2.5	1.59		3		WELB																DIP
MAY 15	12:27	5.0	1.61		2		MULT	M															D48
MAY 15	17:24	2.5	1.63		3		WELB																DIP
MAY 16	15:32	2.5	1.71		1		WELB																DIP
MAY 17	14:08	3.5	1.68		2		WELB																DIP
MAY 18	14:44	4.0	1.72		1		WELB																DIP
MAY 19	08:53	2.0	2.22		0		WELB												48				DIP
MAY 20	15:12	2.5	3.75		0		WELB																DIP
MAY 21	15:17	3.0	2.97		0		WELB																DIP
MAY 22	15:25	3.0	2.61		0		WELB																DIP
MAY 23	16:59	3.0	3.04		0		WELB																DIP
MAY 24	15:29	3.0	2.54		3		WELB																DIP
MAY 25	17:30	3.0	2.38		0		WELB																DIP
MAY 26	16:15	3.0	2.31		0		WELB																DIP
MAY 27	16:35	4.0	2.42		0		WELB																DIP
MAY 28	16:45	4.0	2.99		5		WELB																DIP
MAY 29	16:50	3.0	4.75		35		WELB												44				DIP
MAY 30	17:25	3.0	9.81		32		WELB																DIP
MAY 31	16:58	2.5	5.66		3		WELB																DIP
JUN 1	18:48	3.5	4.78		1		WELB																DIP
JUN 3	17:24	3.0	4.42		7		WELB																DIP
JUN 4	17:13	3.5	4.80		2		WELB																DIP
JUN 5	17:46	3.0	5.33		3		WELB																DIP
JUN 6	16:53	3.0	4.92		6		WELB																DIP
JUN 7	18:11	3.0	5.83		3		WELB																DIP
JUN 8	16:56	3.0	7.66		7		WELB																DIP
JUN 9	17:42	3.0	7.14		4		WELB																DIP
JUN 10	18:18	3.0	5.99		3		WELB												28				DIP
JUN 11	13:55	4.0	1.08		1		11.0	M															DIP
JUN 11	13:57E	4.0	1.17		1		11.9	M											28				D49
JUN 11	13:59E	4.0	1.46		3		13.4	M											31				D49
JUN 11	14:01E	4.0	1.07		6		14.6	M											26				D49
JUN 11	14:03E	4.0	0.800		3		15.6	M											27				D49
JUN 11	14:05E	4.0	5.55		7		WELB												28				D49
JUN 11	17:53	4.0	5.21		4		WELB												25				DIP
JUN 12	17:48	4.0	7.59		11		WELB												38				DIP
JUN 13	17:26	4.0	8.14		5		WELB																DIP
JUN 14	17:25	4.5	10.6		28		WELB																DIP
JUN 15	17:04	4.0	14.2		41		WELB																DIP
JUN 16	16:37	4.0	11.2		8		WELB																DIP
JUN 17	20:17	4.0	8.84		4		WELB																DIP
JUN 18	17:50	4.5	7.38		5		WELB																DIP
JUN 19	17:23	4.5	8.92		3		WELB																DIP
JUN 20	18:36	4.5	8.88		7		WELB																DIP
JUN 21	17:46	4.0	9.10		8		WELB																DIP
JUN 22	14:18	4.5	8.72		3		WELB																DIP
JUN 23	16:05	5.5	8.85		2		WELB																DIP
JUN 24	18:00	5.0	7.88		13		WELB												40				DIP

NOTE : SINGLE VERTICAL LOCATED AT WELB

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): G - ORGANIC MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ165 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUN 25	17:58	5.0	8.69	10	WELB																DIP
JUN 25	20:10	6.0	1.84	7	11.0 M																DH48
JUN 25	20:18	6.0	1.84	3	11.9 M												26				DH48
JUN 25	20:22	6.0	2.18	4	13.1 M												23				DH48
JUN 25	20:28	6.0	1.88	5	14.0 M												24				DH48
JUN 25	20:31	6.0	1.43	5	15.2 M												25				DH48
JUN 25	20:41	6.0	9.00	5	WELB												28				DH48
JUN 26	18:37	6.0	10.1	8	WELB												33				DIP
JUN 27	18:22	6.5	9.30	2	WELB																DIP
JUN 28	18:41	6.5	8.43	4	WELB																DIP
JUN 29	21:21	3.5	10.4	11	WELB																DIP
JUN 30	20:52	4.5	8.29	1	WELB																DIP
JUL 1	17:38	5.0	5.84	4	WELB												41				DIP
JUL 2	18:32	7.0	5.35	2	WELB																DIP
JUL 3	18:18	7.0	5.30	2	WELB																DIP
JUL 4	17:40	6.0	5.01	8	WELB																DIP
JUL 5	18:43	7.0	5.70	3	WELB																DIP
JUL 6	17:38	7.0	4.80	2	WELB																DIP
JUL 7	18:22	7.0	3.75	5	WELB																DIP
JUL 8	14:42	8.0	3.26	0	WELB																DIP
JUL 9	21:54	8.5	3.38	1	WELB																DIP
JUL 10	18:05	6.5	3.43	5	WELB																DIP
JUL 11	20:33	9.0	3.31	2	WELB																DIP
JUL 12	19:25	9.0	2.98	3	WELB																DIP
JUL 13	18:45	9.0	2.58	3	WELB												32				DIP
JUL 14	13:04	9.0	2.36	2	WELB																DIP
JUL 15	21:43	9.5	2.49	2	WELB																DIP
JUL 17	14:40	10.0	2.10	1	MULT M																DIP
JUL 17	15:11	10.0	2.10	0	WELB																DH48
JUL 18	16:55	10.0	1.86	0	WELB												30				DIP
JUL 22	18:45	9.5	1.17	2	WELB																DIP
AUG 1	12:00E	8.5	0.746 H	1	WELB																DIP
AUG 12	18:00	13.0	0.533	0	WELB																DIP
AUG 19	19:30	11.5	0.523	2	WELB												24				DIP
AUG 26	18:13	11.0	0.305	1	WELB																DIP
SEP 2	17:39	8.0	0.276	1	WELB												32				DIP
SEP 9	16:30	8.0	0.480	2	WELB																DIP
SEP 16	16:13	7.0	0.320	2	WELB												31				DIP
SEP 23	16:30	4.0	0.410	3	WELB																DIP
SEP 30	17:22	6.5	0.297	0	WELB												35				DIP
OCT 7	16:41	3.5	0.289	1	WELB																DIP
OCT 14	17:07	3.5	0.321	0	WELB												33				DIP
OCT 19	15:26	3.0	0.312	1	WELB																DIP
OCT 21	17:08	2.0	0.261	2	WELB												37				DIP
OCT 29	16:00	0.5	0.222 W	1	WELB																DIP
NOV 4	15:23	0.5	0.212 W	1	WELB												29				DIP
NOV 11	15:22	1.0	0.215	1	WELB																DIP
NOV 18	14:58	1.0	0.229 W	0	WELB												34				DIP
NOV 25	15:47	0.0	0.207	0	WELB																DIP
DEC 2	15:03	0.0	0.192	1	WELB												38				DIP
DEC 16	15:21	0.0	0.165	9	WELB																DIP
DEC 21	11:45	0.0	0.129	8	WELB												44				DIP
																	60				DIP

NOTE : SINGLE VERTICAL LOCATED AT WELB

TIME SYMBOL: E - ESTIMATED
DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

FIVE MILE CREEK ABOVE CITY INTAKE - STATION NO. 08NJ165

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1983	MAY-DEC	M-S	43	MAY 25 *	0	NOV 09 *	59.1	MAY 29 *	545 *	---	---	---
1984	JAN-DEC	M-C	41	JUN 15	0	APR 30	31.8	JUN 15	240	0.86	0.86	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 49 00 02 N LONG 114 28 35 W
DRAINAGE AREA: 1 110 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

INTERNATIONAL GAUGING STATION

TOTAL SUSPENDED SEDIMENT LOAD 26 445.08 TONNES FOR THE PERIOD MAY 01 TO DEC 31

REMARKS:

	MAY			JUN			JUL			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	23.1	10	20.0	110	101 S	980	43.0	12 S	44.8	1
2	24.0	11	22.8	78.8	46 S	318	39.3	11 S	37.4	2
3	24.8	13	27.8	74.6	28 S	187	37.0	13	41.6	3
4	23.8	12	24.7	74.1	36 S	230	34.1	11	32.4	4
5	23.2	12	24.1	77.0	37 S	246	32.7	10 S	28.3	5
6	23.0	11	21.9	86.8	51 S	382	31.4	9	24.4	6
7	22.8	11	21.8	85.8	53 S	383	30.1	7	18.2	7
8	23.5	11	22.7	91.1	40 S	316	28.1	7	17.0	8
9	26.9	11 S	25.6	90.8	38 S	298	26.8	7 S	16.3	9
10	29.1	18 S	40.2	75.6	26 S	183	25.7	8	13.3	10
11	28.7	9 S	22.3	72.9	24 S	151	24.8	4	8.67	11
12	30.0	9 S	23.3	72.6	27 S	169	23.8	4	8.18	12
13	32.1	8	22.2	78.8	38 S	265	22.4	3 S	5.81	13
14	43.6	54 S	203	86.4	48 S	358	21.4	3	5.55	14
15	75.8	267 S	1 750	104	94 S	845	20.2	3	5.24	15
16	87.9	158 S	1 340	110	86 S	812	19.2	3 S	4.98	16
17	78.5	35 S	240	100	87 S	679	18.4	3	4.77	17
18	68.1	36 S	212	88.8	46	380	17.4	4	6.01	18
19	72.8	63 S	398	78.6	33	225	16.8	4 S	5.81	19
20	110	242 S	2 300	72.1	23 S	143	16.0	4	5.53	20
21	86.7	76 S	662	74.1	23 S	147	15.5	4	5.36	21
22	75.1	33 S	206	72.2	20 S	125	14.8	4	5.15	22
23	73.4	30 S	190	80.0	19 S	88.5	14.8	5	6.31	23
24	74.1	30 S	192	89.6	16 S	92.7	14.1	5 S	6.08	24
25	88.3	27 S	189	83.2	23 S	126	13.6	5	5.83	25
26	83.8	23 S	125	83.2	20 S	109	13.2	5	5.70	26
27	83.0	21 S	114	81.6	18 S	95.4	13.0	5 S	5.62	27
28	70.2	34 S	206	87.6	20 S	99.6	13.0	5	5.62	28
29	86.7	101 S	774	83.3	17 S	78.3	12.4	5	5.36	29
30	133	384 S	4 410	69.2	15 S	63.8	13.2	5 S	5.70	30
31	158	368 S	5 300				12.6	5	5.44	31
TOTAL	1 847.2		18 081.5	2 322.2		8 835.6	676.6		396.11	TOTAL

	AUG			SEP			OCT			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	11.9	5	5.14	7.12	4	2.46	7.43	4	2.57	1
2	11.7	5 S	5.05	6.88	4	2.38	7.34	5	3.17	2
3	11.5	5	4.97	5.72	3	1.74	7.28	5 S	3.15	3
4	11.2	4	3.87	5.68	3	1.73	7.40	5	3.20	4
5	10.9	3	2.83	5.43	4	2.22	7.37	5	3.18	5
6	11.1	3	2.88	6.91	4	2.39	7.33	5 S	3.17	6
7	11.2	2 S	1.94	7.12	5 S	3.08	7.23	4	2.50	7
8	10.7	3	2.77	7.15	4	2.47	7.25	4	2.51	8
9	10.5	5	4.84	8.02	5	3.46	6.80	4	2.38	9
10	10.3	7 S	6.33	10.6	7	6.41	6.71	4	2.32	10
11	9.97	6	5.17	9.82	7	5.82	6.72	4	2.32	11
12	9.78	7	6.02	9.03	5	4.88	6.69	4	2.31	12
13	9.82	7 S	6.78	8.80	4 S	3.04	7.81	4 S	2.63	13
14	9.58	7	6.78	8.58	4	2.97	7.58	3	1.88	14
15	9.33	6	4.84	8.30	4	2.87	7.14	3	1.85	15
16	8.92	5	3.85	7.78	4	2.69	7.03	3	1.82	16
17	8.68	4 S	2.99	7.36	4	2.54	7.14	3	1.85	17
18	8.31	4	2.87	7.11	4	2.46	6.85	3	1.78	18
19	8.44	5	3.85	6.81	4	2.35	6.80	3	1.78	19
20	8.27	5	3.87	7.48	4	2.58	6.38	3 S	1.85	20
21	8.10	5 S	3.50	8.91	5 S	3.85	8.22	3	1.81	21
22	7.82	5	3.36	9.80	5	4.23	8.06	3	1.88	22
23	7.85	4	2.84	9.55	5	4.13	8.01	4	2.08	23
24	7.81	3 S	1.87	8.93	4	3.09	8.02	4	2.06	24
25	7.81	3	1.97	8.61	4	2.94	8.26	4	2.17	25
25	7.38	4	2.85	8.30	4	2.87	8.73	6	2.91	26
27	7.21	4 S	2.49	7.97	3	2.07	8.32	6 S	3.28	27
28	7.07	4	2.44	7.56	3 S	1.98	8.04	6	2.81	28
29	7.12	4	2.48	7.53	4	2.80	8.05	6	2.81	29
30	7.11	4	2.48	7.31	4	2.83	8.02	6	3.12	30
31	7.24	4 S	2.80				8.01	3	1.30	31
TOTAL	284.00		114.02	238.85		90.81	304.87		73.40	TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001

SUSPENDED SEDIMENT FOR 1984

DAY	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAILY DISCHARGE (m^3/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	4.80 B	10	4.15	3.78 B	4	1.31				1
2	3.18 B	23	6.34	3.18 B	4	1.10				2
3	3.85 B	39 S	13.0	2.86 B	4	0.99				3
4	5.00 B	48	20.7	2.86 B	4 S	0.93				4
5	5.82 B	9	4.37	2.62 B	8	1.81				5
6	5.82	4	2.01	2.69 B	13	2.91				6
7	5.81	4	2.01	2.78 B	13	3.12				7
8	5.84 B	4	1.95	3.20 B	11	3.04				8
9	5.45 B	4	1.88	3.70 B	11 S	3.52				9
10	5.32 B	4	1.84	4.05 B	9	3.15				10
11	5.25 B	4 S	1.81	4.09 B	6	2.12				11
12	5.60 B	3	1.45	3.85 B	3	1.00				12
13	5.68 B	3	1.47	3.59 B	3	0.93				13
14	5.85 B	3	1.48	3.54 B	3	0.92				14
15	5.64 B	3	1.46	3.58 B	4	1.24				15
16	5.84 B	2	0.97	3.59 B	6	1.86				16
17	5.20 B	2 S	0.90	3.35 B	12	3.47				17
18	4.85 B	3	1.21	2.85 B	14	3.45				18
19	4.80 B	3	1.24	2.67 B	12	2.77				19
20	5.08 B	3	1.32	2.88 B	11	2.85				20
21	5.20 B	3	1.35	2.89 B	10	2.32				21
22	5.10 B	3	1.32	3.00 B	9	2.33				22
23	4.80 B	3	1.24	3.30 B	9	2.57				23
24	4.72 B	3 S	1.22	3.37 B	6	1.75				24
25	4.70 B	3	0.81	3.41 B	5	1.47				25
26	4.18 B	4	1.44	3.47 B	5	1.50				26
27	3.60 B	4	1.24	3.60 B	4	1.24				27
28	3.50 B	4	1.21	3.50 B	4	1.21				28
29	3.75 B	4	1.30	3.25 B	4	1.12				29
30	3.90 B	4	1.35	3.11 B	4	1.07				30
31				3.04 B	4	1.05				31
TOTAL	147.17		84.02	100.97		59.82				TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY	8	12:35	8.0	27.1	12	85.5																DH48
MAY	10	12:55	8.0	28.2	17	85.5												48				DH48
MAY	10	14:44	8.0	28.1	15	42.3	Z															DH59
MAY	10	14:57	8.0	28.1	15	55.8	Z															DH59
MAY	11	08:50	4.0	28.8	10	85.5												184				DH59
MAY	12	19:50	7.0	30.4	12	85.5												180				DH59
MAY	14	08:47	8.0	38.4	10	85.5																DH59
MAY	15	08:47	8.0	68.2	258	85.5																DH59
MAY	16	08:50	4.0	101	203	85.5	10	14	22	37	58	82	98	100				127	18	68	14	DH59
MAY	17	08:45	4.0	81.7	32	85.5	10	13	22	38	61	82	98	100				114	16	69	13	DH59
MAY	18	08:33	4.0	68.0	38	85.5																DH59
MAY	19	08:47	4.0	70.8	36	85.5												135				DH59
MAY	20	08:00	4.0	110	218	85.5																DH59
MAY	21	08:30	3.5	101	87	85.5	10	14	24	40	60	78	94	100				112	21	65	14	DH59
MAY	22	08:35	3.0	77.4	33	85.5																DH59
MAY	23	08:33	5.0	72.0	31	85.5																DH59
MAY	24	08:34	4.0	76.3	28	85.5																DH59
MAY	25	08:43	4.5	70.6	28	85.5																DH59
MAY	26	07:03	4.5	63.9	23	85.5																DH59
MAY	27	08:07	5.0	62.5	20	85.5																DH59
MAY	28	08:24	4.5	70.2	31	85.5																DH59
MAY	29	08:33	5.0	85.8	87	85.5																DH59
MAY	30	08:40	5.5	133	354	85.5																DH59
MAY	31	08:43	4.0	173	350	85.5	8	11	20	35	55	75	97	100				110	21	68	11	DH59
JUN	1	07:37	4.0	118	88	85.5	8	11	21	39	60	83	89	100				105	17	72	11	DH59
JUN	1	17:30	4.0	18.8	89	37.2	Z															DH59
JUN	1	17:43	4.0	20.9	86	42.7	Z											129				D49
JUN	1	17:53	4.0	21.6	72	47.5	Z											119				D49
JUN	1	18:03	4.0	22.1	70	52.4	Z											129				D49
JUN	1	18:06	4.0	21.8	63	55.2	Z											123				D49
JUN	1	18:27	4.0	88.4	63	70.1	X											123				D49
JUN	2	16:33	4.0	75.1	39	85.5												119				D49
JUN	3	09:17	5.0	76.3	26	85.5												129				DH59
JUN	4	08:57	5.0	78.2	37	85.5																DH59
JUN	5	08:43	5.5	77.1	35	85.5																DH59
JUN	6	08:43	5.0	82.2	52	85.5																DH59
JUN	7	08:43	5.5	80.5	57	85.5																DH59
JUN	8	08:43	5.0	80.2	39	85.5																DH59
JUN	9	08:50	4.5	84.1	41	85.5																DH59
JUN	10	09:07	5.0	76.4	26	85.5																DH59
JUN	11	08:37	5.0	74.3	28	85.5																DH59
JUN	12	08:44	5.5	74.1	24	85.5																DH59
JUN	13	09:43	6.0	80.3	41	85.5																DH59
JUN	14	18:43	5.5	87.4	48	85.5																DH59
JUN	15	09:17	6.0	107	106	85.5												122				DH59
JUN	16	09:43	6.5	113	101	85.5																DH59
JUN	17	09:33	6.5	106	70	85.5																DH59
JUN	20	12:45	10.0	12.8	21	38.6	Z															DH59
JUN	20	12:55	10.0	16.4	23	42.7	Z											113				D49
JUN	20	13:01	10.0	15.9	24	47.2	Z											107				D49
JUN	20	13:08	10.0	15.4	27	51.6	Z											113				D49
JUN	20	13:17	10.0	16.7	23	57.9	Z											114				D49
JUN	20	13:28	10.0	72.7	21	67.1	X											110				D49
JUN	21	08:43	7.0	73.2	33	85.5												110				D49
JUN	22	08:43	5.0	76.0	22	85.5																DH59
JUN	23	08:36	5.5	80.8	20	85.5																DH59
JUN	24	08:47	7.0	80.0	18	85.5																DH59
JUN	25	10:43	8.5	88.1	24	85.5																DH59
JUN	26	08:47	8.0	85.8	21	85.5																DH59
JUN	27	19:23	13.0	68.5	19	85.5																DH59
JUN	28	08:33	4.5	89.3	20	85.5																DH59
JUN	29	09:43	8.5	53.9	17	85.5																DH59
JUN	30	09:45	8.0	49.8	16	85.5																DH59
JUL	1	09:53	8.0	43.3	13	85.5																DH59
JUL	2	09:27	8.0	38.9	11	85.5												131				DH59
JUL	5	09:33	9.0	32.8	10	85.5																DH59
JUL	8	09:13	9.0	26.9	8	85.5																DH59
JUL	9	15:56	12.5	4.02	5	38.1	Z															DH59
JUL	9	17:07	12.5	4.91	5	42.7	Z											140				D49
JUL	9	17:13	12.5	5.52	5	48.3	Z											136				D49
JUL	9	17:23	12.5	5.74	5	50.6	Z											141				D49
JUL	9	17:38	12.5	5.26	5	56.4	Z											147				D49
JUL	9	17:53	12.5	26.7	5	63.4	X											144				D49
JUL	13	09:43	10.0	22.5	3	85.5												156				D49
JUL	16	09:47	10.5	19.3	3	85.5																DH59
JUL	19	09:17	10.5	16.9	4	87.1																DH59
JUL	24	10:13	11.0	14.2	4	71.6																DH48
JUL	27	10:07	12.0	12.9	5	71.6												159				DH48
JUL	30	10:07	11.0	13.3	5	71.6																DH48
AUG	2	18:27	14.5	11.7	5	71.6												155				DH48
AUG	7	10:13	10.5	11.4	2	71.6																DH48
AUG	10	18:07	17.0	10.1	7	71.6												178				DH48
AUG	13	17:33	17.0	9.62	8	71.6																DH48
AUG	17	18:17	17.0	8.49	4	71.6																DH48
AUG	21	18:23	16.5	8.05	5	71.6												172				DH48
AUG	24	18:07	14.5	7.62	3	71.6																DH48
AUG	27	18:17	13.5	7.06	4	71.6																DH48
AUG	31	18:13	10.0	7.41	4	71.6												168				DH48
SEP	7	17:03	9.0	7.03	4	71.6																DH48
SEP	13	18:03	10.0	8.72	4	71.6												167				DH48
SEP	21	18:48	8.0	9.30	5	71.6																DH48
SEP	28	18:45		7.89	3	71.6												174				DH48
OCT	3	11:08	10.0	1.33	8	8.0	Z															DH48
OCT	3	11:13	10.0	1.47	2	12.0	Z											169				DH48
OCT	3	11:18	10.0	1.83	6	15.0	Z											150				DH48
OCT	3	11:23	10.0	1.52	6	19.0	Z											164				DH48
OCT	3	11:27	10.0	1.27	4	25.0	Z											152				DH48
OCT	3	11:38	10.0	7.38	0	71.6												158				DH48
OCT	8	18:33	7.0	7.30	5	71.6												180				DH48
OCT	13	11:33	5.0	7.76	4	71.6																DH48
OCT	20	18:17	3.0	8.30	3	71.6																DH48
OCT	27	18:17	2.0	8.35	8	71.6												185				DH48
NOV	3	13:07	0.1	3.85	W 39	71.6																DH48
																		137				DH48

NOTE : SINGLE VERTICAL LOCATED AT 85.5 METRES

DISCHARGE SYMBOL(S): W - DAILY MEAN; ICE CONDITIONS

VERTICAL SYMBOL(S): Z - NOT AT REGULAR SINGLE SAMPLE VERTICAL

X - A SEDIMENT MEASUREMENT VERTICAL NOT AT THE REGULAR MEASUREMENT CROSS-SECTION

CONTINUED

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
NOV 11	13:53	2.0	5.25	W	4		71.5																	DH48
NOV 17	14:03	0.1	5.20	W	2		71.5																	DH48
NOV 24	13:47	0.1	4.72	W	3		71.5													188				DH48
DEC 4	12:11	0.5	0.438		5	C	15.0	Z																DH48
DEC 4	12:19	0.5	0.823		4		17.5	Z												184				DH48
DEC 4	12:26	0.5	0.488		3		19.5	Z												179				DH48
DEC 4	12:33	0.5	0.581		2		22.0	Z												185				DH48
DEC 4	12:39	0.5	0.576		3		26.0	Z												178				DH48
DEC 4	12:46	0.5	2.68	W	5	C	71.5													183				DH48
DEC 9	13:33	0.1	3.70	W	11		71.5													174				DH48
																				169				DH48

NOTE : SINGLE VERTICAL LOCATED AT 85.5 METRES

DISCHARGE SYMBOL(S): W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): C - ORGANIC MATERIAL PRESENT
VERTICAL SYMBOL(S): Z - A SEDIMENT MEASUREMENT VERTICAL NOT AT THE REGULAR MEASUREMENT CROSS-SECTION

FLATHEAD RIVER AT FLATHEAD - STATION NO. 08NP001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1984	MAY-DEC	M-S	388	MAY 30 *	0	OCT 3 *	5 300	MAY 31 *	28 400 *	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

FORDING RIVER ABOVE CLODE CREEK - STATION NO. 08NK025

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1975	JAN-DEC	M-S	18	JUN 20 *	1	JUN 30 *	25.0	JUN 20 *	388 *	1.01	1.01	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FORDING RIVER AT THE MOUTH - STATION NO. 08NK018

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1970	JAN-DEC	M-C	189	MAY 26	1	FEB 17	940	MAY 26	7 390	20.2	20.2	---
1971	JAN-DEC	M-C	188	MAY 10	2	JUN 30	473	JUN 09	10 900	29.8	25.0	18.2
1972	APR-DEC	M-C	409	MAY 17	0	SEP 12 *	3 250	JUN 02	38 400	---	---	---
1973	JAN-DEC	M-C	231	MAY 17	0	NOV 20	889	MAY 18	8 520	17.8	22.8	16.1
1974	JAN-DEC	M-C	625	JUN 13 *	1	FEB 12	8 820	JUN 17 *	88 000 *	159	58.7	80.3
1975	JAN-DEC	M-C	184	JUN 02	1	NOV 04	907	JUN 03	12 400	33.8	52.2	51.8
1976	JAN-DEC	M-C	120	MAY 08	2	FEB 03	809	MAY 11	9 050	24.7	47.8	47.1
1977	JAN-DEC	M-C	54	MAY 08	0	JUN 22	262	JUN 08	2 820	7.18	41.8	47.4

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

FORDING RIVER BELOW CLODE CREEK - STATION NO. 08NK021

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1971	MAY-NOV #	M-MS	330	MAY 12	0	OCT 22 *	---		---	---	---	---
1972	MAY-DEC	M-S	302	MAY 31	0	AUG 08	885	MAY 31 *	3 580 *	---	---	---
1973	JAN-DEC	M-C	181	APR 25	0	FEB 07	83.7	MAY 25	748	2.05	2.05	---
1974	JAN-DEC	M-C	387	APR 16 *	0	SEP 18	470	JUN 15	3 580	9.77	5.81	85.3
1976	JAN-DEC	M-C	13	FEB 25	0	JUN 29	15.0	MAY 10	248	0.87	4.18	88.1
1977	JAN-DEC	M-C	130	SEP 15	0	MAR 30	13.8	SEP 15	280	0.72	3.30	86.0

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

FORREST KERR CREEK ABOVE 480 M CONTOUR - STATION NO. 08CG006

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
FEB 13	11:20	0.5	1.83	4	MID	X												132				SURF
MAR 20	17:40	0.5	1.31	3	MID	X												145				SURF
MAY 16	11:22	2.0	2.82	28	33.0	M												118				D49
MAY 16	11:26	2.0	2.87	23	28.0	M												113				D49
MAY 16	11:34	2.0	2.84	23	26.0	M												113				D49
MAY 16	11:40	2.0	3.20	21	22.0	M												111				D49
MAY 16	11:46	2.0	3.00	16	18.0	M												148				D49
JUN 24	19:37	3.5	8.84	263	36.0	M	47	54	65	78	85	91	96	98	99	100		75	9	37	54	D49
JUN 24	19:42	3.5	12.0	334	30.0	M	34	50	70	78	86	91	96	98	100			82	8	41	50	D49
JUN 24	19:46	3.5	12.4	243	28.0	M	32	48	65	80	86	92	97	99	100			71	8	48	45	D49
JUN 24	19:50	3.5	13.1	246	22.0	M	37	50	67	81	87	91	97	100				77	9	41	50	D49
JUN 24	19:57	3.5	11.8	232	17.0	M	53	61	70	80	86	92	97	99	100			82	8	31	61	D49
AUG	5 07:41	2.0	14.8	272	34.5	M	31	44	61	78	85	91	96	98	100			84	8	47	44	D49
AUG	5 07:48	2.0	16.7	288	30.0	M	36	48	61	78	86	92	96	98	100			78	8	44	48	D49
AUG	5 07:51	2.0	17.7	288	25.5	M	33	47	65	83	91	96	98	99	100			88	4	49	47	D49
AUG	5 07:58	2.0	17.7	274	22.5	M	33	44	61	78	87	92	97	99	100			88	8	48	44	D49
AUG	5 08:02	2.0	21.4	267	18.0	M	45	58	70	84	91	96	100					88	4	40	56	D49
SEP	27 08:11	0.5	3.53	41	38.0	M												44				DN48
SEP	27 08:15	0.5	2.83	39	31.0	M												46				DN48
SEP	27 08:23	0.5	2.08	45	25.0	M												50				DN48
SEP	27 08:28	0.5	2.80	39	19.0	M												45				DN48
SEP	27 08:38	0.5	3.53	40	13.0	M												48				DN48

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

FORREST KERR CREEK ABOVE 480 M CONTOUR - STATION NO. 08CG005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)	SAMPLED CONCENTRATION MINIMUM (mg/L)	SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)
1982	MAR-OCT #	M-S	1 610 SEP 03 *	1 MAY 03 *	18 800 SEP 03 *	387 000 *
1983	MAR-OCT #	M-MS	554 JUN 01	1 MAR 23	---	---
1984	FEB-SEP	M-MS	289 AUG 5	3 MAR 20	---	---

SUMMARY : JUN-OCT	MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
	2 390	2 390	---
	---	---	---
	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FORT NELSON RIVER ABOVE MUSKWA RIVER - STATION NO. 10CC002

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 58 40 15 N LONG 122 38 15 W
DRAINAGE AREA: 22 800 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 12 204 088 TONNES FOR THE PERIOD MAY 01 TO JUL 31

REMARKS:

DAY	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	DAY
1	48.0	81	336	347	886 S	26 800	199	502	8 630	1
2	46.7	81	327	422	2 090	76 200	184	483	7 880	2
3	45.8	81	321	437	1 610	58 300	175	475	7 180	3
4	45.0	81 S	316	418	1 320 S	44 200	183	488	8 140	4
5	44.0	81	308	396	763	26 200	206	529	9 420	5
6	43.7	81	306	388	783 S	26 800	229	617	12 200	6
7	43.5	80	301	998	3 100	267 000	318	846 S	23 300	7
8	43.8	80	303	1 850	7 950 S	1 130 000	502	1 280	55 500	8
9	44.2	80 S	308	1 620	7 470	1 050 000	845	1 850	92 000	9
10	44.3	83	318	1 380	5 420	837 000	889	1 820	83 800	10
11	44.6	89 S	343	1 070	3 810 S	334 000	812	1 360	71 400	11
12	44.1	87	331	884	2 840	202 000	520	1 080	48 000	12
13	42.4	77 S	282	782	2 250	154 000	450	839	32 800	13
14	40.5	62 S	217	834	1 850 S	141 000	415	849 S	23 300	14
15	39.4	64	218	707	1 770	108 000	452	824	24 400	15
16	40.5	89 S	305	803	1 810 S	83 800	446	599	23 100	16
17	102 E	2 390	21 100	514	1 330 S	59 100	417	519	18 700	17
18	1 300 A	16 400 S	1 840 000	453	1 150	45 000	372	503	16 200	18
19	877 A	11 800 S	886 000	408	881 S	34 400	332	502 S	14 400	19
20	788 E	7 790 S	530 000	372	853	27 400	303	476	12 800	20
21	885 A	6 080 S	483 000	348	816 S	24 400	282	448	11 300	21
22	1 280 A	7 720	854 000	334	813	23 800	305	412	10 800	22
23	1 170 A	7 810 S	758 000	328	812 S	22 800	330	375	10 700	23
24	887 A	5 930	444 000	315	718	19 800	318	336	9 280	24
25	788	4 420 S	293 000	307	672 S	17 800	287	318	7 890	25
26	884	3 290	186 000	297	880	18 800	253	293	6 400	26
27	884	2 800	141 000	284	888 S	15 300	226	274	5 380	27
28	494	2 840 S	113 000	283	848	14 700	202	253	4 420	28
29	438	2 040	76 700	242	802 S	12 800	182	234 S	3 680	29
30	383	1 630 S	80 800	220	840	10 300	175 A	210	3 180	30
31	341	1 120	33 000				183 E	193	2 720	31
TOTAL	11 705.5		8 805 038	17 814		4 720 000	10 374		878 080	TOTAL

BRITISH COLUMBIA

FORT NELSON RIVER ABOVE MUSKWA RIVER - STATION NO. 10CC002

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 58 40 15 N LONG 122 38 15 W
DRAINAGE AREA: 22 600 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 12 204 088 TONNES FOR THE PERIOD MAY 01 TO JUL 31

REMARKS:

DAY	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	DAY
1	46.0	81	336	347	886 S	26 800	189	502	8 830	1
2	45.7	81	327	422	2 090	76 200	184	483	7 680	2
3	45.8	81	321	437	1 810	68 300	175	476	7 180	3
4	45.0	81 S	315	418	1 220 S	44 200	183	488	8 140	4
5	44.0	81	308	398	783	26 200	208	529	9 420	5
6	43.7	81	306	388	783 S	26 800	229	617	12 200	6
7	43.8	80	301	888	3 100	287 000	319	846 S	23 300	7
8	43.8	80	303	1 650	7 850 S	1 130 000	502	1 280	55 500	8
9	44.2	80 S	306	1 820	7 470	1 050 000	845	1 850	92 000	9
10	44.3	83	318	1 380	5 420	637 000	889	1 820	93 800	10
11	44.8	89 S	343	1 070	3 810 S	334 000	812	1 350	71 400	11
12	44.1	87	331	884	2 840	202 000	520	1 090	49 000	12
13	42.4	77 S	282	792	2 280	184 000	480	839	32 900	13
14	40.5	82 S	217	834	1 950 S	141 000	415	849 S	23 300	14
15	39.4	84	218	707	1 770	108 000	452	824	24 400	15
16	40.5	89 S	205	803	1 810 S	83 800	446	889	23 100	16
17	102 E	2 380	21 100	814	1 330 S	88 100	417	818	18 700	17
18	1 300 A	16 400 S	1 840 000	483	1 150	48 000	372	803	18 200	18
19	877 A	11 800 S	888 000	408	881 S	34 400	332	902 S	14 400	19
20	788 E	7 780 S	530 000	372	853	27 400	303	478	12 800	20
21	885 A	8 080 S	483 000	346	818 S	24 400	282	448	11 300	21
22	1 280 A	7 720	854 000	334	813	23 500	305	412	10 800	22
23	1 170 A	7 810 S	788 000	326	812 S	22 900	330	376	10 700	23
24	867 A	5 930	444 000	315	718	18 500	319	338	9 280	24
25	788	4 420 S	283 000	307	672 S	17 800	287	318	7 890	25
26	654	3 280	186 000	287	680	16 800	253	283	6 400	26
27	584	2 800	141 000	284	686 S	16 300	228	274	5 250	27
28	484	2 640 S	113 000	283	648	14 700	202	253	4 420	28
29	435	2 040	76 700	242	602 S	12 600	182	234 S	3 680	29
30	382	1 530 S	50 500	220	540	10 300	176 A	210	3 180	30
31	341	1 120	33 000				183 E	193	2 720	31
TOTAL	11 705.5		8 805 038	17 814		4 720 000	10 374		878 050	TOTAL

FORT NELSON RIVER ABOVE MUSKWA RIVER - STATION NO. 10CC002

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		SINGLE VERTICAL SAMPLING (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY 04	07:15	4.0	48.3		81		10LB													215				D48
MAY 08	19:59	8.0	44.2		80		10LB																	D48
MAY 11	17:36	8.0	44.5		81		10LB																	D48
MAY 13	15:01	10.0	42.1		77		10LB																	D48
MAY 13	15:08	10.0	11.4		72		185	I												243				D48
MAY 13	15:11	10.0	7.67		82		140	I												243				D48
MAY 13	15:18	10.0	6.67		80		130	I												241				D48
MAY 13	15:23	10.0	6.15		74		110	I												244				D48
MAY 13	15:31	10.0	5.74		80		85.0	I												245				D48
MAY 14	07:28	12.0	40.5		86		10LB													245				D48
MAY 18	11:30	12.0	40.4		70		10LB																	D48
MAY 18	13:45	5.0	1300	V	17800		10LB		11	24	41	61	77	89	95	97	99	100		303	11	85	24	D48
MAY 19	11:08	6.0	977	V	11700		10LB		20	26	39	52	65	88	96	100				241	14	58	28	D48
MAY 20	14:05	7.0	788	V	7580		10LB		15	23	31	41	52	64	75	85	97	100		215	36	41	23	D48
MAY 21	10:58	7.5	885	V	5850		10LB		17	23	33	43	54	65	75	83	90	100		217	35	42	23	D48
MAY 23	11:24	7.0	1170	V	7830		10LB		18	25	34	45	57	81	97	100				208	19	56	25	D48
MAY 25	10:41	8.0	774		4530		10LB		10	17	25	35	45	70	85	100				184	30	53	17	D48
MAY 28	16:46	11.0	478		2580		10LB		12	16	26	37	51	78	94	99	100			189	22	60	18	D48
MAY 30	17:57	12.0	370		1400		10LB		14	22	33	47	61	85	96	100				193	15	63	22	D48
JUN 01	18:53	12.5	262		845		10LB		17	26	36	50	65	82	95	98	100			177	18	57	25	D48
JUN 04	19:27	14.0	411		1070		10LB		17	25	37	52	66	82	95	100				177	18	57	25	D48
JUN 06	14:11	13.0	282		713		10LB		14	23	35	51	67	83	95	99	100			178	17	60	23	D48
JUN 08	14:03	14.0	1880		8850		10LB		25	34	45	59	75	89	96	99	100			273	11	55	34	D48
JUN 11	17:43	14.5	1020		3210		10LB		17	25	37	51	68	86	96	99	100			230	14	61	25	D48
JUN 14	09:38	15.0	866		1990		10LB		16	26	38	53	69	85	96	99	100			212	15	59	26	D48
JUN 16	10:31	15.0	610		1880		10LB		18	27	39	53	67	82	93	98	100			215	18	55	27	D48
JUN 17	13:48	13.5	83.3		1100		110	I	22	30	44	62	78	91	97	98	100			206	9	61	30	D48
JUN 17	13:58	13.5	124		1420		135	I	13	21	31	45	59	76	88	93	97	100		211	24	55	21	D48
JUN 17	14:10	13.5	74.5		1520		154	I	17	25	35	47	60	74	83	91	98	100		196	25	49	25	D48
JUN 17	14:32	13.5	95.2		1320		185	I	22	30	42	57	71	85	95	98	100			189	15	55	30	D48
JUN 17	14:39	13.5	123		1090		184	I	23	33	47	63	78	93	98	100				197	7	60	33	D48
JUN 19	09:40		409		1000		10LB		13	18	30	46	65	80	88	94	98	100		187	20	62	18	D48
JUN 21	10:08		347		819		10LB		11	16	28	45	63	78	91	96	100			205	21	63	16	D48
JUN 23	09:10	13.0	327		831		10LB		15	24	35	48	63	78	88	95	98	100		200	21	55	24	D48
JUN 25	09:40		308		673		10LB													199				D48
JUN 27	08:21		265		687		10LB		18	27	38	52	65	78	89	96	98	100		210	21	52	27	D48
JUN 29	09:17		243		617		10LB																	D48
JUL 07	10:32		298		805		10LB		8	14	23	34	51	72	87	96	99	100		200	26	58	14	D48
JUL 14	11:26		410		840		10LB		14	18	29	42	55	68	78	86	95	100		185	32	50	18	D48
JUL 19	10:27		333		505		10LB		14	25	35	46	57	69	78	86	92	100		177	31	44	25	D48
JUL 29	18:39	17.0	182	M	229		10LB													230				D48
JUL 29	18:49	17.0	36.0		223		175	I												233				D48
JUL 29	18:55	17.0	28.7		295		155	I												233				D48
JUL 29	19:01	17.0	45.0		253		135	I												235				D48
JUL 29	19:08	17.0	36.3		188		110	I												228				D48
JUL 29	19:13	17.0	26.1		159		90.0	I												233				D48
AUG 24	14:55		112	Y	51		10LB													259				D48
OCT 01	13:52	8.0	93.6	V	91		10LB													248				D48

NOTE : SINGLE VERTICAL LOCATED AT 10LB

DISCHARGE SYMBOL(S): M - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE Y - DAILY MEAN; ESTIMATED
VERTICAL SYMBOL(S): I - A SEDIMENT MEASUREMENT VERTICAL NOT AT THE REGULAR MEASUREMENT CROSS-SECTION

FORT NELSON RIVER ABOVE MUSKWA RIVER - STATION NO. 10CC002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : MAY-JUL MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1979	APR-JUL	M-S	4 810	JUL 05	346	MAY 10	696 000	JUL 04	4 700 000	---	---	---
1980	APR-JUL	M-S	7 210	JUL 16	152	APR 28	329 000	JUN 21	3 370 000	36 800	36 800	---
1982	MAY-OCT	M-S	7 810	MAY 19	18	OCT 09 *	1 010 000	MAY 18	8 180 000	68 300	62 500	41.4
1983	MAY-OCT	M-S	5 580	JUN 22	30	OCT 10	440 000	JUN 21	3 450 000	35 800	53 800	32.4
1984	MAY-OCT	M-S	17 800	MAY 18 *	51	AUG 24	1 840 000	MAY 18 *	12 200 000 *	133 000	73 800	31.7

M - MANUAL SAMPLING

S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

FRASER RIVER AT HANSARD - STATION NO. 08KA004

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 54 04 43 N LONG 121 50 52 W
DRAINAGE AREA: 18 000 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 1 995 853.3 TONNES FOR THE PERIOD APR 01 TO SEP 15

REMARKS:

APR				MAY				JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)		DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	108 B	10	93.3	216 E	13 S	243		685 E	342 S	19 800	1
2	118 E	11	112	218 E	10 S	188		650 E	257	14 700	2
3	131 E	13	147	222 E	14 S	269		630 E	178	9 690	3
4	136 E	14	167	221 E	13 S	248		592 A	124	5 340	4
5	142 E	15	184	225 E	15 S	292		625	112	6 050	5
6	144 E	15	187	230 A	12 S	238		694	118	6 980	6
7	145 E	15	202	229	13 S	257		815	128	9 010	7
8	148 E	17	217	237	13 S	288		955	144	11 900	8
9	150 E	18	233	275	17 S	404		1 090	184	15 400	9
10	152 E	18	236	322	23 S	640		1 170	200	20 200	10
11	155 A	19 S	254	332	30 S	861		1 260	275 S	29 900	11
12	155	19	254	314	32 S	868		1 370	426 S	50 700	12
13	159	20	275	311	27 S	726		1 510	434 S	56 600	13
14	167	24	348	332	27 S	774		1 650	492 S	70 100	14
15	193	35	600	377	36 S	1 170		1 730	513 S	76 700	15
16	279	101	2 430	428	50	1 850		1 720	445 S	66 100	16
17	367	225	7 130	445	67 S	2 580		1 650	378 S	54 000	17
18	370	203 S	6 490	462	82 S	3 270		1 480	313 S	40 000	18
19	347	84 S	2 520	470	88 S	3 980		1 270	252 S	27 700	19
20	331	60 S	1 720	485	108 S	4 620		1 080	189 S	17 800	20
21	328	53 S	1 500	550	68 S	4 180		949	150 S	12 300	21
22	336	50 S	1 480	558 A	232 S	11 200		885	124 S	9 530	22
23	342	51 S	1 510	510 E	107 S	4 710		957	130 S	10 700	23
24	331	53 S	1 520	470 E	85 S	2 230		1 130	153 S	14 800	24
25	303	37 S	989	457 E	47 S	1 880		1 380	185 S	22 800	25
26	273	28 S	880	456 E	39 S	1 540		1 480	231 S	29 100	26
27	264	24 S	527	457 E	39 S	1 540		1 530	233 S	30 800	27
28	241	19 S	388	468 E	44 S	1 770		1 730	283 S	39 300	28
29	233 A	18 S	382	480 E	48 S	2 030		1 790	285 S	44 100	29
30	230 E	13 S	268	520 E	139 S	6 240		1 810	275 S	43 000	30
31				575 E	288 S	14 300					31
TOTAL	6 773		32 869.3	11 669		75 344		36 237		886 140	TOTAL

JUL				AUG				SEP			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)		DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	1 790	267 S	41 300	944	175 S	14 300		488	108 S	4 650	1
2	1 720	269 S	38 500	887	198 S	16 500		507	63 S	3 840	2
3	1 680	217 S	29 800	852 A	185 S	13 600		541	131 S	6 120	3
4	1 370	160 S	18 900	890 E	154 S	11 600		502	98 S	4 250	4
5	1 320	142 S	20 600	855 E	178 S	13 100		452	55 S	2 180	5
6	1 740	291 S	43 700	857 E	177 S	13 100		450	52 S	2 020	6
7	1 880	295 S	47 800	880 E	180 S	13 400		578	121 S	6 040	7
8	1 670	187 S	27 000	845 E	185 S	13 500		727	188 S	11 800	8
9	1 470	141 S	17 900	710 E	165 S	10 100		808	198 S	13 900	9
10	1 360	135 S	15 800	640 E	138 S	7 520		904	213 S	18 600	10
11	1 290	140 S	15 800	700 E	135 S	8 180		918	272 S	21 500	11
12	1 260	138 S	15 300	850 E	158 S	8 780		821	145 S	10 300	12
13	1 250	141 S	16 400	805 E	127 S	8 840		730	104	6 580	13
14	1 330	132 S	15 200	820 E	124 S	8 840		858	81	4 800	14
15	1 220	148 S	17 800	840 E	131 S	7 240		592	60	3 070	15
16	1 150	191 S	18 000	800 E	138 S	7 210		541			16
17	1 160	144 S	14 400	840 E	115 S	6 370		614			17
18	1 210	135 S	15 200	815 E	93 S	4 140		985			18
19	1 190	158 S	16 300	880 E	116 S	5 610		1 310			19
20	1 110	145 S	14 000	870 E	118 S	6 810		1 320			20
21	998	110 S	9 490	580 E	118 S	5 910		1 110			21
22	892	114 S	8 780	514 A	93 S	4 130		919			22
23	787	117 S	8 080	481	70 S	2 780		780			23
24	748	85 S	5 150	443	88 S	2 840		655			24
25	772	93 S	6 200	444	88 S	3 810		583			25
26	828	118 S	8 420	434	85 S	3 180		529			26
27	898	138 S	10 700	528	145 S	6 580		485			27
28	1 030	204 S	18 000	752	302 S	19 800		451			28
29	1 040	240 S	25 200	798	530 S	36 800		422			29
30	971	238 S	20 100	667	355 S	20 500		388			30
31	841	198 S	16 200	557	238 S	11 500					31
TOTAL	38 695		595 710	20 694		308 480		20 788		117 240	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER AT HANSARD - STATION NO. 08XA004

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN 25	12:40	0.1	100	W	6		114													185				DIP
APR 11	14:13	1.0	155	V	19		114													137				PSI
APR 18	11:08		371		223		114		43	55	71	81	89	95	99	100				114	5	40	55	PSI
APR 19	14:08		345		75		114													108				PSI
APR 20	11:55		331		80		114																	PSI
APR 21	11:03		328		53		114																	PSI
APR 22	13:05		339		50		114																	PSI
APR 23	12:03		341		51		114																	PSI
APR 24	11:55		331		55		114																	PSI
APR 25	14:03		300		35		114																	PSI
APR 26	14:03		271		28		114																	PSI
APR 27	13:35		254		25		114																	PSI
APR 28	17:55		238		17		114																	PSI
APR 29	15:33		233	V	18		114																	PSI
APR 30	16:08		230	Y	13		114																	PSI
MAY 1	16:13		218	Y	13		114													114				PSI
MAY 2	16:05		218	Y	10		114																	PSI
MAY 3	16:15		222	Y	14		114													118				PSI
MAY 4	16:30		221	Y	13		114																	PSI
MAY 5	13:08		225	Y	15		114																	PSI
MAY 6	16:13		230	V	12		114																	PSI
MAY 7	16:13		228		13		114																	PSI
MAY 8	16:05		240		13		114																	PSI
MAY 9	18:05		286		18		114																	PSI
MAY 10	16:18		330		24		114																	PSI
MAY 11	16:05		330		31		114																	PSI
MAY 12	13:05		310		32		114																	PSI
MAY 13	14:08		310		26		114																	PSI
MAY 14	13:08		333		26		114																	PSI
MAY 15	10:17	2.0	357		35		114																	PSI
MAY 15	11:34	2.0	88.7		83		31.0	M												103				PSI
MAY 15	11:48	2.0	92.4		45		85.0	M												86				PSI
MAY 15	11:55	2.0	114		34		114	M												703				PSI
MAY 15	12:03	2.0	47.2		30		141	M												106				PSI
MAY 15	12:12	2.0	34.2		31		215	M												105				PSI
MAY 17	08:43		445	H	85		114													108				PSI
MAY 18	14:08		462	H	75		114																	PSI
MAY 18	14:47		462	H	85		114																	PSI
MAY 19	16:10		470	H	102		114																	PSI
MAY 20	16:23		485	H	118		114																	PSI
MAY 21	08:53		550	H	82		114																	PSI
MAY 22	17:53		558	V	280		114																	PSI
MAY 23	13:08		510	Y	85		114																	PSI
MAY 24	13:33		470	Y	58		114																	PSI
MAY 25	14:03		457	Y	48		114																	PSI
MAY 26	12:03		458	Y	40		114																	PSI
MAY 27	15:33		457	Y	61		114																	PSI
MAY 28	16:00		485	Y	48		114													122				PSI
MAY 29	8:08		490	Y	44		114																	PSI
MAY 30	16:03		520	Y	188		114																	PSI
MAY 31	17:03		578	Y	388		114																	PSI
JUN 1	16:33		685	Y	348		114		9	12	19	40	80	74	82	89	96	100		93	28	62	12	PSI
JUN 11	14:47	3.0	247		235		215	M																PSI
JUN 11	15:12	3.0	218		318		141	M												95				PSI
JUN 11	16:36	3.0	1210		333		114													104				PSI
JUN 12	13:03		1370		528		114													91				PSI
JUN 13	14:03		1520		503		114																	PSI
JUN 14	14:30		1670		808		114		3	5	11	22	37	53	72	87	97	100		82	47	48	5	PSI
JUN 15	14:23		1740		827		114		2	5	10	20	34	53	68	78	89	100		85	47	48	5	PSI
JUN 16	12:03		1730		848		114		2	5	12	23	34	47	61	78	87	100		85	53	42	5	PSI
JUN 17	14:53		1640		652		114																	PSI
JUN 18	13:35		1480		388		114		4	6	11	20	32	45	63	78	91	100		77	55	38	8	PSI
JUN 19	13:03		1280		321		114																	PSI
JUN 20	13:03		1070		238		114																	PSI
JUN 21	13:56		934		197		114																	PSI
JUN 22	13:03		888		188		114																	PSI
JUN 23	15:08		887		175		114																	PSI
JUN 24	16:23		1160		212		114																	PSI
JUN 25	10:08	7.0	1350		263		114																	PSI
JUN 25	12:51	7.0	306		235		215	M												78				PSI
JUN 25	13:06	7.0	222		252		141	M												75				PSI
JUN 25	13:13	7.0	286		252		114	M												81				PSI
JUN 25	13:28	7.0	287		145		85.0	M												78				PSI
JUN 25	13:33	7.0	240		93		31.0	M												77				PSI
JUN 25	15:33	7.0	1400		278		114													81				PSI
JUN 26	16:23		1470		318		114													80				PSI
JUN 27	16:18		1580		322		114																	PSI
JUN 28	16:13		1770		377		114		8	11	17	26	38	52	77	93	99	100			48	41	11	PSI
JUN 29	16:43		1780		402		114		8	10	18	32	44	58	78	89	98	100			42	48	10	PSI
JUN 30	13:03		1810		382		114		7	8	17	27	38	54	75	89	97	100			48	48	4	PSI
JUL 1	17:33		1770		573	C	114		5	9	15	23	31	38	48	63	84	97	100	75	52	28	8	PSI
JUL 2	17:03		1700		380		114		4	11	20	32	42	55	75	92	99	100		89	45	44	11	PSI
JUL 3	16:03		1580		286		114		7	13	22	33	45	56	77	89	97	100		89	42	46	13	PSI
JUL 4	16:03		1330		205		114													82				PSI
JUL 5	16:28		1330		282		114																	PSI
JUL 6	16:08		1830		422		114		7	11	21	34	47	60	80	89	98	100		89	40	48	11	PSI
JUL 7	17:08		1870		382		114		10	12	17	32	48	65	82	95	100			77	35	53	12	PSI
JUL 8	16:58		1810		228		114																	PSI
JUL 9	12:37	9.0	282		110		217	M																PSI
JUL 9	12:54	9.0	282		204		141	M												83				PSI
JUL 9	12:58	9.0	282		189		113	M												83				PSI
JUL 9	13:08	9.0	282		109		87.0	M												84				PSI
JUL 9	13:17	9.0	282		81		21.0	M												84				PSI
JUL 9	14:30	9.0	1480		183		114													88				PSI
JUL 10	18:30		1340		173		114													77				PSI
JUL 11	13:43		1290		187		114																	PSI
JUL 12	14:03		1270		188		114																	PSI
JUL 13	13:43		1380		183		114																	PSI
JUL 14	18:33		1300		180		114																	PSI
JUL 15	16:02		1190		228		114																	PSI
JUL 16	14:03		1140		198		114																	PSI
JUL 17	14:03		1170		178		114																	PSI
JUL 18	14:18		1220		182		114													71				PSI
																								PSI

NOTE : SINGLE VERTICAL LOCATED AT 114 METRES

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE W - DAILY MEAN; ICE CONDITIONS
Y - DAILY MEAN; ESTIMATED

CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FRASER RIVER AT HANSARD - STATION NO. 08KA004 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)		INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUL 19	13:43			1180		185	114																	PB1
JUL 20	14:03			1100		180	114																	PB1
JUL 21	10:33			973		122	114																	PB1
JUL 22	10:03			859		148	114																	PB1
JUL 23	16:33			778		130	114																	PB1
JUL 24	15:33			748		108	114																	PB1
JUL 25	10:48			780		108	114																	PB1
JUL 26	15:55			841		148	114																	PB1
JUL 27	16:28			906		159	114														71			PB1
JUL 28	09:53			1010		217	114																	PB1
JUL 29	15:43			1040		326	114		5	9	19	35	50	50	73	91	98	100		70	40	51	9	PB1
JUL 30	16:18			964		264	114		5	14	25	39	51	61	75	84	100			84	35	47	14	PB1
JUL 31	16:53			935		221	114																	PB1
AUG 1	16:43			944		191	114																	PB1
AUG 2	16:43			972		238	114																	PB1
AUG 3	11:43	15.0		190	A	138	215	M																PB1
AUG 3	12:00	15.0		190	A	174	141	M																PB1
AUG 3	12:08	15.0		190	A	228	114	M																PB1
AUG 3	12:21	15.0		190	A	152	66.0	M																PB1
AUG 3	12:30	15.0		190	A	116	31.0	M																PB1
AUG 3	15:05	15.0		952	A	203	114														78			PB1
AUG 4	18:05			880	Y	172	114																	PB1
AUG 5	16:23			855	Y	207	114																	PB1
AUG 6	16:48			857	Y	194	114																	PB1
AUG 7	12:24			880	Y	189	114																	PB1
AUG 8	14:18			845	Y	205	114																	PB1
AUG 9	13:05			710	Y	179	114																	PB1
AUG 10	10:45			640	Y	243	114																	PB1
AUG 11	09:03			700	Y	137	114																	PB1
AUG 12	18:05			650	Y	172	114																	PB1
AUG 13	15:40			605	Y	129	114																	PB1
AUG 14	17:05			620	Y	132	114														68			PB1
AUG 15	17:33			640	Y	141	114																	PB1
AUG 16	15:05			800	Y	252	114																	PB1
AUG 17	15:43			540	Y	115	114																	PB1
AUG 18	17:48			515	Y	95	114																	PB1
AUG 19	15:55			580	Y	130	114																	PB1
AUG 20	15:18			570	Y	121	114																	PB1
AUG 21	17:55			580	Y	125	114																	PB1
AUG 22	13:38	15.0		514	V	92	114														85			PB1
AUG 23	15:30			451		87	114																	PB1
AUG 24	09:18	12.0		442		72	114																	PB1
AUG 25	13:05			445		89	114																	PB1
AUG 26	13:43			431		87	114																	PB1
AUG 27	15:35			584		162	114																	PB1
AUG 28	15:40			786		322	114		2	5	17	35	51	61	74	88	98	100		82	39	56	5	PB1
AUG 29	15:25			786		504	114		5	12	28	51	66	76	88	98	100			78	22	58	12	PB1
AUG 30	12:30			684		355	114		11	18	33	52	67	80	88	91	94	100		83	20	61	19	PB1
AUG 31	14:30			548		175	114																	PB1
SEP 1	15:55			488		79	114																	PB1
SEP 2	14:53			515		82	114																	PB1
SEP 3	15:05			539		137	114																	PB1
SEP 4	12:35			501		88	114																	PB1
SEP 5	13:05			449		53	114																	PB1
SEP 6	13:33			447		48	114																	PB1
SEP 7	13:48			588		127	114																	PB1
SEP 8	16:25			736		188	114																	PB1
SEP 9	12:05			811		198	114																	PB1
SEP 10	13:05			804		195	114																	PB1
SEP 11	12:33			818		284	114																	PB1
SEP 12	12:18			815		139	114														85			PB1

NOTE : SINGLE VERTICAL LOCATED AT 114 METRES

DISCHARGE SYMBOL(S): A - MANUAL GAUGE Y - DAILY MEAN; MANUAL GAUGE V - DAILY MEAN; ESTIMATED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

FRASER RIVER AT HANSARD - STATION NO. 08KA004

POINT INTEGRATING PARTICLE-SIZE ANALYSIS OF SUSPENDED SEDIMENT FOR 1984

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	WATER TEMP. (°C)	SAMPLING VERTICAL (%)	DEPTH OF SAMPLE (m)	CONCENT. OF SAMPLE (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY
JUN 11	14:43	247		215	0.20	202	DATA NOT AVAILABLE														
JUN 11	14:41	247		215	1.11	220	DATA NOT AVAILABLE														
JUN 11	14:37	247		215	2.23	227	DATA NOT AVAILABLE														
JUN 11	14:36	247		215	3.44	231	DATA NOT AVAILABLE														
JUN 11	14:36	247		215	4.46	264	DATA NOT AVAILABLE														
JUN 11	14:32	247		215	5.37	474	DATA NOT AVAILABLE														
JUN 11	14:30			215	5.49		STREAMBED														
JUN 11	15:10	218		141	0.20	238	DATA NOT AVAILABLE														
JUN 11	15:09	218		141	0.89	255	DATA NOT AVAILABLE														
JUN 11	15:08	218		141	1.78	285	DATA NOT AVAILABLE														
JUN 11	15:06	218		141	2.67	347	DATA NOT AVAILABLE														
JUN 11	15:05	218		141	3.56	358	DATA NOT AVAILABLE														
JUN 11	15:01	218		141	4.25	350	DATA NOT AVAILABLE														
JUN 11	15:00			141	4.40		STREAMBED														
JUN 11	15:24	225		114	0.20	269	DATA NOT AVAILABLE														
JUN 11	15:23	225		114	0.95	277	DATA NOT AVAILABLE														
JUN 11	15:21	225		114	1.89	353	DATA NOT AVAILABLE														
JUN 11	15:19	225		114	2.84	331	DATA NOT AVAILABLE														
JUN 11	15:17	225		114	3.78	331	DATA NOT AVAILABLE														
JUN 11	15:16	225		114	4.53	440	DATA NOT AVAILABLE														
JUN 11	15:14			114	4.88		STREAMBED														

NOTE : SINGLE VERTICAL LOCATED AT 114 METRES

FRASER RIVER AT HANSARD - STATION NO. 08KA004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1972	MAY-NOV	M-S	933	MAY 14	9	NOV 07	202 000	JUN 01	4 780 000	*	---	---	---
1973	APR-OCT	M-S	1 250	JUN 06	36	SEP 24	188 000	JUN 06	3 800 000		---	---	---
1974	JAN-DEC #	M-S	666	JUN 17	3	MAR 18	133 000	JUN 17	2 910 000		---	---	---
1976	JAN-DEC	M-C	1 850	AUG 18 *	2	JAN 21 *	221 000	JUL 02 *	3 380 000		8 190	8 190	---
1977	JAN-DEC	M-C	850	JUN 03	2	MAR 18	103 000	JUN 09	2 450 000		6 760	7 990	15.1
1978	JAN-DEC	M-C	651	JUN 04	4	JAN 20	82 200	JUN 07	1 760 000		4 820	8 930	18.2
1979	JAN-DEC	M-C	538	MAY 28	2	JAN 23	82 700	JUN 08	2 220 000		6 090	6 720	13.7
1980	JAN-DEC	M-C	556	APR 30	3	DEC 12	56 800	APR 30	1 720 000		4 710	6 320	12.8
1981	JAN-JUL	M-S	622	APR 25	8	FEB 05	81 600	MAY 27	1 580 000		---	---	---
1982	JAN-SEP	M-S	757	MAY 19	4	MAR 25	147 000	SEP 10	4 280 000		---	---	---
1983	MAY-SEP	M-S	515	JUN 01	18	SEP 21	83 600	JUN 01	1 100 000		---	---	---
1984	JAN-SEP	M-S	527	JUN 15	6	JAN 26	76 700	JUN 15	2 000 000		---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

S - SEASONAL OPERATION

\# - PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FRASER RIVER AT HOPE - STATION NO. 08MF005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)				SAMPLED CONCENTRATION MINIMUM (mg/L)				SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)				SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1965	MAY-DEC	M-S	780	JUN 01			0	DEC 24			521 000	JUN 02			13 400 000		---	---	---
1966	JAN-DEC	M-C	1 480	MAY 10	*		4	JAN 23			825 000	MAY 11	*		19 700 000		54 100	54 100	---
1967	JAN-DEC	M-C	870	MAY 10			1	JAN 16	*		531 000	JUN 05			23 400 000		64 200	59 200	8.5
1968	JAN-DEC	M-C	1 050	MAY 24			6	DEC 22			732 000	MAY 24			23 600 000		64 500	60 900	5.6
1969	JAN-DEC	M-C	701	APR 15			5	JAN 11			270 000	MAY 29			13 200 000		36 100	54 700	12.2
1970	JAN-DEC	M-C	815	MAY 19			7	JAN 17			626 000	JUN 08			12 000 000		32 900	50 400	13.4
1971	JAN-DEC	M-C	1 180	APR 27			2	DEC 28			507 000	MAY 16			15 300 000		44 700	49 400	11.3
1972	JAN-DEC	M-C	1 040	MAY 17			7	JAN 06			746 000	MAY 17			28 100 000	*	79 400	53 700	11.9
1973	JAN-DEC	M-C	1 200	MAY 19			5	FEB 13			687 000	MAY 20			18 100 000		44 200	52 500	10.8
1974	JAN-DEC	M-C	1 230	APR 30			2	JAN 05			524 000	MAY 01			23 200 000		63 800	53 700	9.6
1975	JAN-DEC	M-C	927	MAY 10			5	FEB 01			312 000	MAY 14			12 000 000		33 000	51 700	9.7
1976	JAN-DEC	M-C	1 130	MAY 07			7	JAN 18			802 000	MAY 13			27 800 000		75 500	53 800	9.4
1977	JAN-DEC	M-C	1 140	APR 29			6	DEC 21			472 000	APR 29			12 400 000		34 000	52 200	9.4
1978	JAN-DEC	M-C	513	MAY 01			5	DEC 19			241 000	JUN 08			8 990 000		24 600	50 100	9.9
1979	JAN-DEC	M-C	863	MAY 29			8	NOV 20			519 000	MAY 30			15 500 000		42 800	48 500	8.4

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

FRASER RIVER AT MISSION - STATION NO. 08MH024

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 49 07 29 N LONG 122 18 08 W
DRAINAGE AREA: 226 000 km²
TYPE OF FLOW: REGULATED SINCE 1952
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 12 344 081 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	1 560	10	1 350	1 570	19	2 580	1 590	25 S	3 430	1
2	1 600	9	1 240	1 550	11 S	1 470	1 500	23	2 980	2
3	1 710	57	8 420	1 500	7	907	1 590	23	3 180	3
4	3 780	1 120	367 000	1 470	7	888	1 540	24	3 190	4
5	4 180	130 S	46 700	1 510	7	913	1 450	28	3 510	5
6	2 850	52	13 300	1 500	7	907	1 500	34	4 410	6
7	2 550	55	12 300	1 440	8	995	1 420	53 S	6 500	7
8	2 470	55	11 700	1 480	8	1 010	1 520	58	7 520	8
9	2 280	53	10 300	1 390	8	1 040	1 540	43	5 720	9
10	2 180	50 S	9 330	1 590	10	1 370	1 540	38	5 050	10
11	2 150	47	8 730	1 380	12	1 440	1 550	37	4 980	11
12	2 090	44	7 950	1 450	13 S	1 640	1 540	36	4 790	12
13	2 010	42	7 290	1 610	14	1 950	1 540	35	4 660	13
14	1 950	39	6 570	1 600	17	2 350	1 540	35	4 660	14
15	1 950	36	6 070	1 430	19 S	2 380	1 480	34 S	4 350	15
16	1 860	33	5 300	1 590	23	3 160	1 410	33	4 020	16
17	1 860	30 S	4 300	1 430	28 S	3 460	1 530	31	4 100	17
18	1 720	27	4 010	1 360	33	3 880	1 570	28	3 800	18
19	1 530	26	3 440	1 400	38	4 720	1 670	26	3 750	19
20	1 510	25	3 280	1 550	44	5 930	1 610	24	3 340	20
21	1 450	25	3 130	1 860	48	7 830	1 890	22	3 580	21
22	1 380	24	2 860	1 740	48	7 220	1 830	20	3 340	22
23	1 390	24	2 880	1 690	47 S	6 860	2 020	18 S	3 140	23
24	1 500	24 S	3 110	1 590	44	6 040	2 020	18	3 140	24
25	2 010	34	5 900	1 580	41	5 800	2 030	23	4 030	25
26	1 890	31	5 060	1 510	38	4 980	2 050	32	5 670	26
27	1 700	34	4 990	1 380	35	4 200	2 140	46	8 510	27
28	2 020	48	8 550	1 410	31	3 780	2 250	81	11 900	28
29	2 100	51	9 250	1 550	28	3 760	2 280	77	15 200	29
30	1 770	38 S	5 810				2 230	83 S	17 800	30
31	1 540	27	3 830				2 160	108	20 200	31
TOTAL	52 490		593 930	44 110		93 041	53 640		184 630	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	2 150	119	22 100	2 450	47 S	9 980	4 270	149 S	55 300	1
2	2 180	121	22 600	2 440	47 S	9 910	4 580	187 S	74 000	2
3	2 180 A	117 S	22 000	2 450	48 S	10 200	4 940	238 S	101 000	3
4	2 080	98	17 800	2 420	41 S	8 570	5 090	246 S	108 000	4
5	2 110	44	8 020	2 460	42 S	8 920	5 070	231 S	101 000	5
6	2 200	9 S	1 710	2 470	48 S	10 200	4 980	192 S	82 800	6
7	2 180	12	2 270	2 520	48 S	10 500	5 060	151	66 300	7
8	2 230	17	3 280	2 530	41 S	8 980	5 470	199 S	94 000	8
9	2 210	23	4 390	2 560	35	7 800	5 660	235 S	115 000	9
10	2 200	28	5 320	2 520	40 S	8 710	5 900	257 S	131 000	10
11	2 280	33	6 500	2 590	51	11 400	6 220	357 S	192 000	11
12	2 090	40	7 220	2 660	61	15 100	6 860	485 S	280 000	12
13	2 110	46	8 390	2 930	87	17 000	7 160	411 S	255 000	13
14	2 050	53 S	9 380	3 070	73	19 400	7 760	484 S	326 000	14
15	2 050	47	8 490	3 070	78 S	21 000	8 210	449 S	318 000	15
16	2 340	30 S	6 070	3 060	63 S	21 900	8 590	518 S	383 000	16
17	2 470	88 S	18 400	3 250	84 S	27 900	8 780	414 S	318 000	17
18	3 660	116 S	26 900	3 390	129 S	37 800	8 790	351	267 000	18
19	3 950	211 S	52 600	3 520	176 S	53 700	8 740	346 S	261 000	19
20	3 150	324 S	88 200	3 980	230 S	78 700	8 570	333 S	247 000	20
21	3 070	326 S	86 800	3 870	195 S	65 200	8 280	284 S	203 000	21
22	3 000	281	72 800	3 650	176 S	58 500	8 010	231 S	160 000	22
23	3 010	233	60 600	4 040	225	78 500	7 780	176 S	119 000	23
24	3 020	187	48 800	4 230	246 S	88 700	7 670	142	83 900	24
25	2 950	141 S	35 100	4 050	193 S	67 900	7 540	135	87 900	25
26	2 880	104 S	25 700	3 920	141 S	47 800	7 650	189 S	112 000	26
27	2 780	85 S	20 500	3 880	108	36 000	7 890	167 S	114 000	27
28	2 880	57 S	13 200	3 730	80 S	25 700	8 310	178 S	128 000	28
29	2 810	45	10 100	3 810	85 S	27 700	8 880	222 S	170 000	29
30	2 820	46	10 000	4 170	178 S	64 500	9 050	222 S	181 000	30
31				4 420	198 S	74 900				31
TOTAL	74 450		726 850	100 570		1 020 230	211 580		5 142 000	TOTAL

A - MANUAL GAUGE

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

FRASER RIVER AT MISSION - STATION NO. 08MH024

SUSPENDED SEDIMENT FOR 1984

DAY	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m³/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m³/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	8 000	242	166 000	5 110	98	51 700	3 480	25 S	7 470	1
2	8 110	205 S	151 000	5 880	83	42 900	3 340	27	7 790	2
3	8 120	245 S	183 000	5 850	78	36 900	3 090	23	6 140	3
4	8 080	249 S	185 000	5 720	77	38 100	2 920	15 S	4 040	4
5	8 470	201 S	154 000	5 600	78	36 800	2 820	12	3 030	5
6	8 610	172 S	128 000	5 550	74	35 500	3 300	13	3 710	6
7	8 280	124 S	88 500	5 470	73	34 500	3 140	19	5 150	7
8	8 060	122 S	85 000	5 360 E	74	34 300	2 980	25	6 440	8
9	8 240	211 S	150 000	5 280 E	73	33 200	2 930	35 S	8 860	9
10	8 430	181 S	117 000	5 150	73 S	32 500	3 130	49	13 300	10
11	8 190	122 S	86 300	5 010	72	31 200	3 340	84	18 500	11
12	7 810	111	75 900	4 650	83	25 300	3 480	79 S	23 600	12
13	7 630	101 S	66 600	4 450	56 S	21 500	3 540	85	29 700	13
14	7 500	84 S	60 900	4 280	52	19 100	3 510	110	34 200	14
15	7 410	88	63 400	4 200	53	19 200	3 430	110 S	32 600	15
16	7 470	129 S	83 300	3 970	52	17 600	3 230	100	27 900	16
17	7 430	148 S	95 000	3 900	53	17 900	3 020	85	22 400	17
18	7 360	150	95 400	3 820	54	17 600	2 950	87	17 100	18
19	7 220	132 S	82 300	3 880	55	17 500	2 920	50	12 800	19
20	7 150	106	65 700	3 840	57 S	17 900	3 040	40 S	10 500	20
21	7 180	129 S	79 800	3 450	59	17 600	3 900	84	28 300	21
22	6 980	133	80 200	3 370	57	16 600	4 230	156	57 000	22
23	6 740	112	65 200	3 480	55	16 700	4 190	85 S	30 800	23
24	6 440	99	55 100	3 480	50	14 700	3 890	83	27 900	24
25	6 150	88 S	46 800	3 210	44 S	12 200	3 840	93	30 800	25
26	5 990	78 S	40 400	3 050	33	8 700	3 380	94 S	27 500	26
27	5 830	88	33 200	3 140	24	6 610	3 080	88	23 400	27
28	5 740	52	26 300	3 030	18	4 710	2 890	80 S	20 000	28
29	5 610	55	27 800	3 000	15 S	3 890	2 730	83	14 900	29
30	5 980	71 S	36 700	3 180	15	4 400	2 810	39 S	8 780	30
31	6 100	94	49 500	3 300	20	5 700				31
TOTAL	230 970		2 776 100	133 230		894 910	98 330		564 520	TOTAL

DAY	OCT DAILY DISCHARGE (m³/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m³/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m³/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	2 480	15	3 230	2 000	43	7 430	1 980	25	4 230	1
2	2 440	8	1 690	1 910	36	5 940	1 810	25	3 910	2
3	2 260	8	1 650	2 210	32	6 110	1 630	24	3 380	3
4	2 230	12	2 310	2 450	27 S	5 720	1 650	23	3 280	4
5	2 150	31	5 800	2 400	22	4 580	1 820	21	2 940	5
6	2 170	30	5 620	2 120	18	3 300	1 590	18	2 480	6
7	2 410	43 S	8 950	2 430	13	2 730	1 370	18	3 260	7
8	2 670	52	12 000	2 280	12	2 380	1 530	17 S	2 320	8
9	3 230	63	17 800	2 170	9	1 690	1 820	14	1 960	9
10	3 890	71 S	23 900	2 210	9 S	1 720	1 590	11 S	1 810	10
11	4 580	88	35 800	2 240	8	1 550	1 480	8	1 140	11
12	5 280	150	68 600	2 140	8	1 650	1 490	11	1 620	12
13	5 600	72	34 200	2 190	10	1 890	1 540	13	1 730	13
14	5 380	15 S	6 970	2 260	12 S	2 340	1 630	16	2 250	14
15	5 120	10	4 420	2 180	13	2 430	1 810	20 S	3 130	15
16	4 880	10	4 040	2 080	15	2 670	1 510	20	2 610	16
17	4 340	10	3 750	1 880	15 S	2 440	1 480	20	2 570	17
18	4 020	11	3 820	1 870	15	2 180	1 440	20	2 490	18
19	3 630	11	3 450	1 750	15	2 270	1 280 B	19	2 100	19
20	3 340	13 S	3 780	1 870	15	2 720	1 230 B	19	2 020	20
21	3 110	17	4 570	1 820	15	2 860	1 220 B	20	2 110	21
22	2 980	25	6 370	1 830	16	2 870	1 230 B	20	2 130	22
23	2 780	33	7 840	1 850	17	2 720	1 100 B	19	1 810	23
24	2 570	42	9 230	2 010	18	3 130	1 080 B	20	1 870	24
25	2 940	51	11 800	1 890	20	3 270	1 110 B	19	1 820	25
26	2 580	62	13 700	1 850	21	3 380	1 140 B	19	1 870	26
27	2 390	71 S	14 700	1 700	22	3 230	1 140 B	18	1 770	27
28	2 520	70	15 200	1 940	23	3 860	1 140 B	21	2 070	28
29	2 680	63	14 600	1 840	25 S	3 970	988 B	21 S	1 790	29
30	2 530	55	12 000	1 860	26	4 230	824 B	18	1 440	30
31	2 370	49	10 000				800 B	17	1 320	31
TOTAL	100 880		372 270	61 380		95 780	43 180		69 700	TOTAL

B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER AT MISSION - STATION NO. 08MH024

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN 5	10:00	4.0	3730	40	274													84				P83
JAN 10	16:40	3.0	2540	48	274																	P83
JAN 17	14:20	2.0	1790	29	274													95				P83
JAN 24	17:39	2.0	2330	24	274																	P83
JAN 30	12:32		2300	38	274													75				P83
JAN 30	12:45		2260	25	WERS	X																P83
FEB 2	12:42		2010	12	WERS	X																P83
FEB 2	12:48		2010	11	274																	P83
FEB 12	18:00		2180	13	274													85				P83
FEB 15	12:48		359	28	91.0	M												92				P83
FEB 15	12:57		520	24	183	M												81				P83
FEB 15	13:05		410	19	274	M												81				P83
FEB 15	13:13		459	14	366	M												81				P83
FEB 15	13:20		370	21	457	M												77				P83
FEB 15	13:40		1800	14	273	X												77				P83
FEB 15	14:12		1580	16	274													80				P83
FEB 17	15:00		1880	89	274													82				P83
FEB 23	19:00	1.5	2200	46	274																	P83
MAR 1	15:00		1730	25	274													80				P83
MAR 7	18:00		1780	60	274																	P83
MAR 15	07:00		72.9	35	274													82				P83
MAR 23	18:00		2450	18	274																	P83
MAR 30	09:00		2440	82	274													86				P83
APR 3	13:08		2830	117	274																	P83
APR 6	10:20	8.0	2140	8	274		32	43	60	79	89	98	99	100				105	4	53	43	P83
APR 14	18:30	9.0	2070	54	274													159				P83
APR 16	17:45		2440	29	274																	P83
APR 17	18:30		2320	114	274													108				P83
APR 18	19:20		2730	115	274																	P83
APR 19	19:15		3140	274	274																	P83
APR 20	18:30	9.0	3340	337	274		14	21	33	51	71	92	100					104	8	71	21	P83
APR 21	20:00	9.5	3180	315	274		13	19	34	53	71	86	98	100				88	14	67	19	P83
APR 25	20:00	9.0	3040	125	274		13	18	31	46	65	81	96	100				96	18	62	19	P83
APR 26	19:45	9.0	2840	97	274													112				P83
APR 27	20:20	9.0	2790	76	274																	P83
APR 28	18:00	9.0	2390	48	274																	P83
MAY 2	17:00	9.0	2700	48	274																	P83
MAY 3	17:10	9.0	2720	50	274																	P83
MAY 4	20:40	9.0	1480	39	274																	P83
MAY 5	19:45	8.0	2510	45	274																	P83
MAY 6	20:45	10.0	2480	52	274																	P83
MAY 7	18:15		2730	48	274													118				P83
MAY 8	21:35	10.0	2870	39	274													92				P83
MAY 10	17:00	10.0	2800	45	274																	P83
MAY 15	15:27	10.5	592	84	91.0	M												90				P83
MAY 15	15:33	10.5	769	97	183	M												83				P83
MAY 15	15:38	10.5	728	93	274	M												84				P83
MAY 15	15:43	10.5	631	72	366	M												81				P83
MAY 15	15:48	10.5	591	56	457	M												78				P83
MAY 15	15:55	10.5	3380	97	273	X												83				P83
MAY 15	19:30	10.5	3350	111	274													93				P83
MAY 16	19:20	10.5	1860	78	274																	P83
MAY 16	17:00	11.0	3270	83	274																	P83
MAY 17	18:50	11.0	3270	116	274																	P83
MAY 18	17:00	11.0	3700	152	274																	P83
MAY 19	20:50	10.0	3780	224	274																	P83
MAY 20	19:50	10.5	4070	266	274																	P83
MAY 21	20:00	11.0	4070	198	274																	P83
MAY 22	19:00	9.5	4080	212	274		11	17	30	45	65	71	88	100				77	29	54	17	P83
MAY 24	19:00	11.0	4270	260	274		10	14	24	35	48	66	84	95	99	100		83	34	52	14	P83
MAY 25	18:55	10.0	3970	200	274																	P83
MAY 26	17:50	10.0	2840	157	274																	P83
MAY 28	20:55	14.0	3640	82	274																	P83
MAY 29	20:30	14.0	3580	67	274																	P83
MAY 30	21:00	12.0	3840	306	274													90				P83
MAY 31	18:00	11.0	4520	200	274		11	15	21	28	38	52	73	89	98	100		71	48	37	15	P83
JUN 1	19:45	12.0	4410	170	274																	P83
JUN 2	20:45	12.0	4580	290	274																	P83
JUN 3	19:28	12.0	5250	286	274		5	10	17	28	39	58	68	88	100			82	42	48	10	P83
JUN 4	11:20	11.0	5040	291	274																	P83
JUN 5	18:27	12.0	5290	286	274																	P83
JUN 6	19:55	12.0	5190	210	274																	P83
JUN 8	17:50	12.0	5630	265	274																	P83
JUN 9	19:30	12.0	5740	298	274		5	10	16	27	38	51	66	100				73	49	41	10	P83
JUN 10	21:20	12.0	5980	359	274		5	8	15	33	33	48	75	93	89	100		89	51	41	8	P83
JUN 11	12:10	12.0	1130	268	91.0	M	10	13	23	38	55	72	81	88	100			72	28	58	13	P83
JUN 11	12:16	12.0	1420	356	183	M	5	9	15	26	38	54	75	93	100			86	46	45	9	P83
JUN 11	12:22	12.0	1440	606	274	M	2	3	9	15	23	32	43	61	87	100		75	88	28	3	P83
JUN 11	12:28	12.0	1370	289	366	M	9	12	21	35	53	71	85	100				82	28	58	12	P83
JUN 11	12:36	12.0	1080	221	457	M	11	15	27	45	64	87	86	100				84	13	72	15	P83
JUN 11	12:44	12.0	8430	429	273	X	6	10	15	24	35	52	73	88	97	100		85	48	42	10	P83
JUN 11	13:01	12.0	8480	406	274		7	11	17	27	39	53	73	88	97	100		82	47	42	11	P83
JUN 11	17:10	13.0	8320	494	274																	P83
JUN 12	22:25	14.0	8730	889	274		5	7	11	18	27	41	61	77	92	100		81	59	34	7	P83
JUN 13	08:42	14.0	1280	395	91.0	M																P83
JUN 13	08:47	14.0	1520	530	183	M																P83
JUN 13	08:53	14.0	1540	495	274	M																P83
JUN 13	08:58	14.0	1470	336	366	M																P83
JUN 13	10:03	14.0	1270	288	457	M																P83
JUN 13	10:08	14.0	7250	492	273	X																P83
JUN 13	10:28	14.0	7250	517	274																	P83
JUN 13	20:38	14.0	7140	480	274		5	10	17	26	38	56	76	90	98	100		72	44	46	10	P83
JUN 14	18:18	14.5	8000	683	274		4	8	13	20	29	42	62	75	89	100		78	58	34	8	P83
JUN 15	18:40	14.0	8360	998	274		5	8	15	24	38	51	72	86	98	100		71	49	43	8	P83
JUN 16	18:30	14.0	8730	880	274		4	7	12	19	28	40	58	75	90	100		81	60	33	7	P83
JUN 17	21:20	14.0	8800	852	274		5	9	15	24	34	47	62	77	89	100		78	53	38	8	P83

NOTE : SINGLE VERTICAL LOCATED AT 274 METRES

VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

FRASER RIVER AT MISSION - STATION NO. 08MH024 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUN 19	10:00	13.0	1530		397		81.0	M	11	16	21	31	42	56	73	88	98	100		85	44	40	16	P63
JUN 19	10:06	13.0	2000		422		183	M	8	11	17	28	37	51	66	78	87	100		70	49	40	11	P63
JUN 19	10:12	13.0	1770		365		274	M	10	14	23	33	42	56	78	94	99	100		89	44	42	14	P63
JUN 19	10:22	13.0	1820		293		366	M	18	23	33	46	58	73	90	98	100			80	27	50	23	P63
JUN 19	10:35	13.0	1580		226		457	M	17	26	38	55	70	83	93	100				83	17	57	26	P63
JUN 19	10:46	13.0	8740		385		273	X	10	15	24	33	44	57	74	88	95	100		70	43	41	16	P63
JUN 19	10:50	13.0	8740	N	527		274		7	10	16	25	32	41	53	68	84	100		66	58	31	10	P63
JUN 19	18:55	13.0	8800		518		274		7	8	15	23	30	38	50	63	75	100		73	81	31	8	P63
JUN 20	21:26	13.0	8450		484		274		5	10	15	22	28	38	51	72	93	100		70	82	28	10	P63
JUN 21	19:59	13.0	8230		408		274													89				P63
JUN 22	16:53	13.0	1330		183		81.0	M																P63
JUN 22	17:01	13.0	1700		288		183	M																P63
JUN 22	17:07	13.0	1590		316		274	M																P63
JUN 22	17:13	13.0	1620		172		366	M																P63
JUN 22	17:17	13.0	1370		135		457	M																P63
JUN 22	17:24	13.0	8010		316		273	X																P63
JUN 22	17:45	13.0	8010		327		274																	P63
JUN 22	19:12	13.0	7990		288		274																	P63
JUN 23	18:38	15.0	7680		274		274																	P63
JUN 26	14:40	14.5	7800		264		274		1	2	8	15	21	27	39	75	96	100		85	73	25	2	P63
JUN 26	17:50	14.5	7680		238		274		5	9	13	19	24	33	48	88	98	100		85	67	24	9	P63
JUN 27	19:37	15.0	7850		228		274																	P63
JUN 28	18:30	15.0	8450		298		274		5	8	13	19	26	35	49	89	91	100		85	64	28	8	P63
JUN 29	21:56	14.0	8890		342		274		4	5	13	19	27	34	47	80	94	100		56	69	29	5	P63
JUN 30	20:19	14.0	8990		382		274		6	8	12	18	24	32	43	84	85	100		57	69	24	8	P63
JUL 2	10:30	14.0	9080		305		274		9	15	23	32	40	51	64	85	95	100		56	49	36	15	P63
JUL 3	15:00	14.0	8180		393		274		9	13	19	26	32	40	54	70	88	100		46	60	27	13	P63
JUL 4	09:18	13.0	8050		372		274		7	10	17	24	30	38	48	62	81	100		85	62	28	10	P63
JUL 4	09:53	13.0	9070		380		274		7	10	15	21	29	35	49	81	87	100		86	62	28	10	P63
JUL 4	09:59	13.0	9070		384		273	X	8	10	16	23	31	39	51	70	93	100		86	61	29	10	P63
JUL 4	10:06	13.0	1860		271		81.0	M	8	13	23	33	43	57	77	91	96	100		72	43	44	13	P63
JUL 4	10:15	13.0	2110		328		183	M	4	11	18	26	33	45	62	80	94	100		85	56	34	11	P63
JUL 4	10:19	13.0	1770		284		274	M	9	13	21	31	42	55	69	82	92	100		56	46	42	13	P63
JUL 4	10:23	13.0	1800		241		366	M	12	18	25	35	46	59	72	82	92	100		69	41	43	16	P63
JUL 4	10:28	13.0	1780		152		457	M	13	25	41	61	72	86	96	100				83	14	61	25	P63
JUL 4	10:34	13.0	9070		325		273	X	8	13	20	28	35	45	58	74	88	100		71	65	32	13	P63
JUL 5	09:23	13.0	8930		305		274		5	7	15	24	32	41	61	84	78	100		67	59	34	7	P63
JUL 6	08:53	13.0	8880		289		274		8	10	19	28	35	42	61	88	92	100		61	58	32	10	P63
JUL 7	08:27	13.0	8410		192		274													71				P63
JUL 8	09:27	14.0	8120		180		274		8	11	22	31	41	54	69	81	92	100		88	68	43	11	P63
JUL 9	08:17	14.0	8270		304		274																	P63
JUL 10	08:33	15.0	8490		254		274																	P63
JUL 11	10:17	14.0	8270		183		274		11	20	38	53	62	69	78	87	93	100		63	31	49	20	P63
JUL 13	20:48	16.0	7340		143	P	274																	P63
JUL 14	21:27	17.0	7240		130		274																	P63
JUL 15	09:54	15.0	1340		187		81.0	M																P63
JUL 15	09:58	15.0	1540		184		183	M																P63
JUL 15	10:03	15.0	1440		148		274	M																P63
JUL 15	10:07	15.0	1520		100		366	M																P63
JUL 15	10:12	15.0	1300		71		457	M																P63
JUL 15	10:18	15.0	7450		143		273	X																P63
JUL 15	10:42	15.0	7470		183		274																	P63
JUL 17	19:50	17.0	7520		213		274																	P63
JUL 19	21:50		7220		170		274																	P63
JUL 21	20:57	18.0	7180		198		274													81				P63
JUL 25	11:48	18.0	1050		111		81.0	M												89				P63
JUL 25	11:53	18.0	1300		113		183	M												87				P63
JUL 25	12:01	18.0	1200		101		274	M												87				P63
JUL 25	12:06	18.0	1320		89		366	M												88				P63
JUL 25	12:10	18.0	1080		53		457	M												72				P63
JUL 25	12:15	18.0	8330		105		273	X												85				P63
JUL 25	12:50	16.0	8340		133		274													89				P63
JUL 25	20:04	18.0	5860		146		274																	P63
JUL 28	18:15	18.0	5890		104		274																	P63
JUL 30	18:48	20.0	9210		98		274													71				P63
AUG 10	18:35	18.0	4680		86		274													77				P63
AUG 13	17:40	18.0	4800		63		274																	P63
AUG 20	10:00	17.0	894		59		81.0	M																P63
AUG 20	10:04	17.0	901		72		183	M												89				P63
AUG 20	10:11	17.0	783		82		274	M												87				P63
AUG 20	10:17	17.0	887		80		366	M												84				P63
AUG 20	10:23	17.0	801		61		457	M												84				P63
AUG 20	10:31	17.0	3850		73		273	X												73				P63
AUG 20	10:51	17.0	3830		82		274													81				P63
AUG 20	17:35	17.0	3440		63		274													78				P63
AUG 25	19:55	16.0	2850		43		274																	P63
AUG 29	19:00	16.0	2870		18		274													71				P63
SEP 1	17:35	16.0	3520		27		274																	P63
SEP 4	12:48	15.0	2930		77		274																	P63
SEP 4	19:45	15.0	2930		13		274													81				P63
SEP 9	14:00	16.0	3150		38		274													78				P63
SEP 12	19:25	16.0	3120		84		274		8	14	31	43	59	71	89	96	100			59	38	37	14	P63
SEP 15	12:00	17.0	3400		109		274		3	11	24	36	47	60	76	88	94	100		69	40	49	11	P63
SEP 20	18:15	16.0	3070		40		274																	P63
SEP 23	17:55	16.0	3400		8		274																	P63
SEP 26	14:50	12.0	3500		98		274																	P63
SEP 28	15:10	12.0	3170		80		274																	P63
SEP 30	19:38	15.0	2830		30		274													73				P63
OCT 7	14:00	12.0	2630		44		274																	P63
OCT 10	10:27	12.0	3780		70		274													78				P63
OCT 14	13:00	9.0	5170		12		274													78				P63
OCT 20	12:00	12.0	3440		13		274																	P63
OCT 27	12:30	11.0	2720		72		274													73				P63
NOV 4	09:00	9.0	2480		28		274																	P63
NOV 10	15:00	8.0	2660		9		274													89				P63
NOV 14	13:40		2150		12		274													118				P63
NOV 17	10:45		1780		14		274													90				P63
NOV 28	14:30	4.0	1330		26		274													111				P63
DEC 6	11:00	2.0	1700		18		274													111				P63
DEC 10	13:57		1870		10		274													130				P63
DEC 15	09:35	0.5	1590		30		274													83				P63
DEC 29	11:05	0.1	988	W	33		274													114				P63
																				102				P63

NOTE : SINGLE VERTICAL LOCATED AT 274 METRES

DISCHARGE SYMBOL(S): N - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
CONCENTRATION SYMBOL(S): P - SAMPLE BOTTLE OVER FILLED
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL X - NOT AT REGULAR SINGLE SAMPLE VERTICAL

FRASER RIVER AT MISSION - STATION NO. 08MH024

POINT INTEGRATING PARTICLE-SIZE ANALYSIS OF SUSPENDED SEDIMENT FOR 1984

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	WATER TEMP. (°C)	SAMPLING VERTICAL (m)	DEPTH OF SAMPLE (m)	CONCENT. OF SAMPLE (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY
JUN 19	14:45	1280	13.0	91	0.15	180	DATA NOT AVAILABLE											84			
JUN 19	14:38	1280	13.0	91	2.59	237	24	31	40	53	68	85	97	100				78	15	54	31
JUN 19	14:37	1280	13.0	91	5.18	282	18	21	32	47	60	78	94	98	100			72	21	58	21
JUN 19	14:35	1280	13.0	91	7.76	341	10	15	27	42	55	68	93	100				77	33	53	15
JUN 19	14:34	1280	13.0	91	10.4	356	11	17	25	38	53	71	85	95	99	100		75	25	54	17
JUN 19	14:32	1280	13.0	91	11.7	409	8	11	20	32	42	63	77	94	100			78	47	42	11
JUN 19	14:29	1280	13.0	91	12.8	618	4	6	11	18	26	38	52	81	97	100		66	64	30	6
JUN 19	14:28		13.0	91	13.0		STREAMBED														
JUN 19	15:03	1520	13.0	183	0.15	234	15	25	37	53	69	84	96	100				85	15	59	25
JUN 19	15:00	1520	13.0	183	2.51	357	9	15	24	35	47	59	77	89	97	100		58	41	43	16
JUN 19	14:59	1520	13.0	183	5.02	385	10	15	24	34	44	56	76	92	100			71	44	41	15
JUN 19	14:57	1520	13.0	183	7.53	490	9	10	18	28	35	45	62	78	93	100		78	54	36	10
JUN 19	14:55	1520	13.0	183	10.0	758	8	9	13	18	24	31	47	91	100			78	69	22	9
JUN 19	14:53	1520	13.0	183	11.3	987	3	5	9	13	18	24	39	77	97	100		74	76	19	5
JUN 19	14:50	1520	13.0	183	12.4	1480	2	4	6	9	11	16	21	43	84	100		71	84	12	4
JUN 19	14:49		13.0	183	12.6		STREAMBED														
JUN 19	15:20	1540	13.0	274	0.15	285	12	19	30	44	59	75	89	97	99	100		72	25	56	19
JUN 19	15:18	1540	13.0	274	2.48	281	3	11	21	33	45	63	81	95	100			85	37	52	11
JUN 19	15:15	1540	13.0	274	4.95	342	3	6	15	24	36	51	71	86	98	100		90	48	42	9
JUN 19	15:14	1540	13.0	274	7.44	396	2	6	15	23	34	47	67	84	95	100		91	53	41	6
JUN 19	15:12	1540	13.0	274	9.92	525	8	11	18	22	28	38	57	77	90	100		94	61	28	11
JUN 19	15:09	1540	13.0	274	11.2	726	3	6	10	17	21	27	43	63	84	100		78	73	21	6
JUN 19	15:07	1540	13.0	274	12.3	893	3	5	8	13	17	25	34	46	62	100		76	75	20	5
JUN 19	15:06		13.0	274	12.4		STREAMBED														
JUN 19	15:37	1470	13.0	366	0.15	213	28	30	41	59	75	90	99	100				71	10	60	30
JUN 19	15:35	1470	13.0	366	2.81	279	16	19	32	47	60	76	93	100				85	24	57	19
JUN 19	15:33	1470	13.0	366	5.22	283	8	12	24	38	49	66	85	96	99	100		77	35	53	12
JUN 19	15:31	1470	13.0	366	7.83	314	11	16	24	34	45	60	80	93	99	100		75	40	44	16
JUN 19	15:28	1470	13.0	366	10.4	348	10	15	25	35	46	60	72	84	95	100		72	40	45	15
JUN 19	15:27	1470	13.0	366	11.8	378	5	8	17	29	40	53	71	83	94	100		85	47	44	9
JUN 19	15:24	1470	13.0	366	12.9	847	3	6	11	17	23	31	44	60	79	100		76	69	26	5
JUN 19	15:23		13.0	366	13.1		STREAMBED														
JUN 19	15:56	1270	13.0	457	0.15	176	12	21	37	56	75	92	98	100				88	8	71	21
JUN 19	15:54	1270	13.0	457	3.53	200	8	13	33	52	67	83	97	100				83	17	70	13
JUN 19	15:53	1270	13.0	457	5.05	218	13	21	38	54	70	84	96	100				85	16	63	21
JUN 19	15:49	1270	13.0	457	7.59	247	27	32	46	58	70	83	96	99	100			74	17	51	32
JUN 19	15:47	1270	13.0	457	10.1	280	17	23	34	47	61	75	92	98	100			72	25	52	23
JUN 19	15:45	1270	13.0	457	11.4	280	17	22	33	44	58	71	89	98	100			75	29	49	22
JUN 19	15:42	1270	13.0	457	12.5	358	17	24	32	42	52	64	87	96	100			74	38	40	24
JUN 19	15:41		13.0	457	12.7		STREAMBED														

NOTE : SINGLE VERTICAL LOCATED AT 274 METRES

BRITISH COLUMBIA

FRASER RIVER AT MISSION - STATION NO. 08MH024

BED LOAD PARTICLE-SIZE ANALYSIS FOR 1984

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00	TYPE OF SAMPLER
JUN 13	11:00	7290	91		1	9	83	98	100								ARN
JUN 13	11:22	7310	183		1	5	90	100									ARN
JUN 13	11:48	7320	274			2	35	96	100								ARN
JUN 13	12:13	7380	366			1	11	81	94	95	98	97	100				ARN
JUN 13	12:28	7370	457		2	11	32	73	92	98	99	100					ARN
JUN 19	15:11	8780	91		1	7	51	96	100								
JUN 19	15:22	8780	183		1	5	41	99	100								ARN
JUN 19	15:39	8780	274			2	24	99	100								ARN
JUN 19	15:51	8780	366			1	5	81	96	99	99	99	100				ARN
JUN 19	17:02	8780	457		1	3	15	94	100								ARN
JUN 22	09:58	8020	91		5	26	48	95	100								ARN
JUN 22	10:07	8020	91		2	17	79	95	98	100							ARN
JUN 22	10:17	8040	91		1	5	58	93	100								ARN
JUN 22	10:26	8030	122		1	6	54	98	100								ARN
JUN 22	10:35	8030	152			2	29	99	100								ARN
JUN 22	10:47	8020	183			2	24	98	100								ARN
JUN 22	11:18	8010	213			2	36	100									ARN
JUN 22	11:25	8010	244			3	37	100									ARN
JUN 22	11:34	8010	274			2	21	98	100								ARN
JUN 22	11:44	8000	305			2	16	98	100								ARN
JUN 22	11:55	8000	335			2	14	98	100								ARN
JUN 22	12:10	7990	366			3	12	94	100								ARN
JUN 22	12:20	7990	396			1	7	88	98	99	99	100					ARN
JUN 22	12:29	7990	427			1	4	89	98	99	100						ARN
JUN 22	12:39	7990	457				3	85	94	89	91	93	98	100			ARN
JUN 22	12:50	7990	488			1	3	81	95	100							ARN
JUN 22	12:59	8000	518			19	42	83	100								ARN
JUL 4	10:58	8080	31		11	37	88	90	95	100							
JUL 4	11:15	8070	61		1	9	82	98	100								ARN
JUL 4	11:28	8060	91			2	48	98	100								ARN
JUL 4	11:42	8080	122			3	48	98	100								ARN
JUL 4	12:07	8090	152			3	41	100									ARN
JUL 4	12:18	8110	183		1	5	56	95	98	100							ARN
JUL 4	12:45	8130	244			1	22	89	100								ARN

FRASER RIVER AT MISSION - STATION NO. 08MH024

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1965	JUN-DEC	M-S	735	JUN 02	8	DEC 24	543 000	JUN 02	12 880 000		---	---	---
1966	JAN-DEC	M-C	791	MAY 11	5	JAN 28	503 000	MAY 11	19 300 000		52 600	52 880	---
1967	JAN-DEC	M-C	835	MAY 11	5	FEB 11	534 000	JUN 05	25 100 000		71 400	62 100	16.0
1968	JAN-DEC	M-C	788	MAY 25	5	JAN 12	575 000	MAY 25	20 900 000		57 200	80 500	9.3
1969	JAN-DEC	M-C	537	APR 17	6	JAN 25	287 000	MAY 29	13 900 000		38 200	64 900	12.5
1970	JAN-DEC	M-C	849	MAY 20	2	DEC 30 *	520 000	JUN 05	11 500 000		31 800	50 200	14.1
1971	JAN-DEC	M-C	610	APR 26	3	JAN 08	420 000	MAY 17	17 500 000		46 000	49 800	11.8
1972	JAN-DEC	M-C	884	MAY 17	3	FEB 25	768 000	JUN 04	30 900 000	*	84 800	64 800	12.7
1973	JAN-DEC	M-C	883	MAY 19	4	JAN 29	365 000	JUN 29	13 200 000		33 500	52 200	12.8
1974	JAN-DEC	M-C	784	MAY 01	6	JAN 10	734 000	JUN 15	24 950 000		66 300	53 900	11.3
1975	JAN-DEC	M-C	683	MAY 15	4	JAN 10	237 000	MAY 15	13 000 000		32 800	51 800	11.3
1976	JAN-DEC	M-C	858	MAY 08	6	JAN 08	687 000	MAY 14	24 900 000		66 000	53 300	10.3
1977	JAN-DEC	M-C	789	APR 30	6	JAN 03	378 000	APR 30	14 600 000		39 600	52 200	8.6
1978	JAN-DEC	M-C	480	JUN 10	6	JAN 27	301 000	JUN 10	12 300 000		33 700	50 800	9.7
1979	JAN-DEC	M-C	1 240	MAY 06	11	FEB 20	573 000	MAY 06	15 000 000		41 100	50 100	9.2
1980	JAN-DEC	M-C	1 410	DEC 27 *	8	SEP 09	956 000	DEC 27 *	19 800 000		39 800	48 700	9.2
1981	JAN-DEC	M-C	595	MAY 28	7	DEC 30	411 000	MAY 30	12 400 000		33 900	47 800	9.0
1982	JAN-DEC	M-C	794	JUL 20	3	NOV 12	552 000	JUL 20	25 800 000		70 000	48 100	8.7
1983	JAN-DEC	M-C	330	JUN 03	2	JAN 25	240 000	JUN 03	9 090 000		23 300	47 800	9.0
1984	JAN-DEC	M-C	883	JUN 15	6	APR 6	383 000	JUN 15	12 300 000		33 700	48 900	8.8

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
APR	10 10:50		-3400	257	---																PWS
APR	27 18:24		1870	98	---																PWS
APR	29 01:00		3280	88	---																PWS
APR	30 01:45		3610	85	---																PWS
MAY	1 02:30		3060	77	---																PWS
MAY	2 03:15		2400	67	---																PWS
MAY	2 11:00		8560	134	---												108				PWS
MAY	3 01:00		4830	88	---																PWS
MAY	3 13:30		8170	186	---																PWS
MAY	4 01:45		4360	139	---																PWS
MAY	4 14:15		5850	340	---																PWS
MAY	5 02:30		3830	52	---																PWS
MAY	5 15:00		6580	91	---																PWS
MAY	6 03:15		3290	44	---																PWS
MAY	6 15:45		6580	109	---																PWS
MAY	7 04:00		3580	105	---																PWS
MAY	7 13:44		5040	53	---																PWS
MAY	7 14:16	9.0	5630	60	213																PWS
MAY	8 09:35		3840	88	---												88				P&S
MAY	8 17:30		5390	118	---												111				PWS
MAY	9 06:00		4580	83	---																PWS
MAY	9 08:27		5020	85	---																PWS
MAY	9 08:42		4950	71	---																PWS
MAY	10 14:50		2630	29	---																PWS
MAY	12 08:45		6820	57	---																PWS
MAY	12 21:00		5130	48	---																PWS
MAY	13 09:30		7020	85	---																PWS
MAY	13 21:45		5240	58	---																PWS
MAY	14 06:56	11.0	952	25	122 M																PWS
MAY	14 07:02		952	22	213 M												77				P&S
MAY	14 07:05		4780	30	---												78				P&S
MAY	14 07:10		1080	23	305 M																PWS
MAY	14 07:18		1080	20	396 M												77				P&S
MAY	14 07:24		1240	22	488 M												78				P&S
MAY	14 07:55		1390	55	122 M												80				P&S
MAY	14 08:05		1390	44	213 M												82				P&S
MAY	14 08:06		6830	80	---												78				P&S
MAY	14 08:14		1400	41	305 M																PWS
MAY	14 08:21		1400	28	396 M												74				P&S
MAY	14 08:27		1410	27	488 M												75				P&S
MAY	14 08:40		1420	59	122 M												71				P&S
MAY	14 09:02		1430	67	213 M												83				P&S
MAY	14 09:05		7140	80	---												80				P&S
MAY	14 09:06		1440	45	305 M												105				PWS
MAY	14 09:15		1440	40	396 M												75				P&S
MAY	14 09:22		1440	46	488 M												74				P&S
MAY	14 09:53		1480	92	122 M												76				P&S
MAY	14 10:02		1480	67	213 M												84				P&S
MAY	14 10:03		7280	84	---												78				P&S
MAY	14 10:08		1460	50	305 M																PWS
MAY	14 10:14		1460	42	396 M												74				P&S
MAY	14 10:19		1460	41	488 M												78				P&S
MAY	14 10:51		1440	120	122 M												76				P&S
MAY	14 10:57		1430	83	213 M												83				P&S
MAY	14 11:03		7140	117	---												81				P&S
MAY	14 11:04		1430	49	305 M																PWS
MAY	14 11:10		1420	39	396 M												77				P&S
MAY	14 11:15		1420	42	488 M												71				P&S
MAY	14 11:48		1410	128	122 M												70				P&S
MAY	14 11:58		1400	332	213 M												80				P&S
MAY	14 12:01		1400	83	305 M												78				P&S
MAY	14 12:03		8890	83	---												83				P&S
MAY	14 12:07		1400	34	396 M																PWS
MAY	14 12:13		1380	51	488 M												72				P&S
MAY	14 12:48		1340	170	122 M												79				P&S
MAY	14 12:54		1330	95	213 M												86				P&S
MAY	14 12:59		1330	85	305 M												73				P&S
MAY	14 13:03		8850	105	---												94				P&S
MAY	14 13:04		1330	50	396 M																PWS
MAY	14 13:08		1310	42	488 M												75				P&S
MAY	14 13:53		1180	130	122 M												75				P&S
MAY	14 13:57		1180	87	213 M												79				P&S
MAY	14 14:02		5970	111	---												76				P&S
MAY	14 14:03		1180	44	305 M																PWS
MAY	14 14:08		1140	38	396 M												82				P&S
MAY	14 14:13		1140	43	488 M												75				P&S
MAY	14 14:55		892	107	122 M												81				P&S
MAY	14 15:01		892	76	213 M												82				P&S
MAY	14 15:02		4980	97	---												77				P&S
MAY	14 15:06		892	54	305 M																PWS
MAY	14 15:11		936	38	396 M												86				P&S
MAY	14 15:17		936	35	488 M												85				P&S
MAY	14 15:52		842	83	122 M												86				P&S
MAY	14 15:57		798	376	213 M												79				P&S
MAY	14 16:02		3980	84	---												89				P&S
MAY	14 16:06		798	76	305 M																PWS
MAY	14 16:13		808	33	396 M												86				P&S
MAY	14 16:32		398	23	488 M												84				P&S
MAY	14 17:02		785	48	---												86				P&S
MAY	14 18:02		-1450	41	---																PWS
MAY	14 19:02		-722	41	---																PWS
MAY	14 20:02		1950	28	---																PWS
MAY	14 21:02		3650	88	---																PWS
MAY	14 22:02		4990	48	---												86				PWS
MAY	14 23:02		5970	88	---																PWS

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY	15 00:02		5840	78	---																PWS
MAY	15 01:02		5380	87	---																PWS
MAY	15 02:02		4060	70	---																PWS
MAY	15 03:02		2880	71	---																PWS
MAY	15 04:02		1390	60	---																PWS
MAY	15 05:02		-116	50	---																PWS
MAY	15 06:02		1110	46	---																PWS
MAY	15 07:02		2730	33	---																PWS
MAY	15 08:02		5060	45	---																PWS
MAY	15 11:03		7260	116	---																PWS
MAY	23 11:05		5770	165	---																PWS
MAY	24 05:05		4510	183	---																PWS
MAY	25 05:05		4020	121	---																PWS
MAY	25 09:32	10.0	1350	271	122 M																P63
MAY	25 09:35		1350	196	213 M																P63
MAY	25 09:52		1340	125	305 M																P63
MAY	25 09:57		1330	104	396 M																P63
MAY	25 10:04		1330	82	488 M																P63
MAY	25 10:55		5240	261	---																P63
MAY	25 11:15		6030	245	---																PWS
MAY	25 08:15		6910	151	---																PWS
MAY	25 20:30		5320	179	---																PWS
MAY	27 09:00		6580	184	---																PWS
MAY	27 21:15		4420	102	---																PWS
MAY	28 09:45		6690	271	---																PWS
MAY	28 22:00		4520	134	---																PWS
MAY	29 10:30		6470	167	---																PWS
MAY	29 22:45		4660	127	---												88				PWS
MAY	30 11:15		7730	207	---																PWS
MAY	30 23:30		5410	189	---																PWS
MAY	31 12:00		7670	242	---																PWS
JUN	1 00:15	11.0	5220	167	---																PWS
JUN	1 08:57		1340	182	122 M																PWS
JUN	1 09:07		1340	100	213 M												79				P63
JUN	1 09:13		1390	85	305 M												79				P63
JUN	1 09:18		1390	81	396 M												74				P63
JUN	1 09:24		1420	88	488 M												79				P63
JUN	1 09:45		7230	203	---												80				P63
JUN	1 13:45		7350	238	---																PWS
JUN	2 02:15		5510	384	---																PWS
JUN	2 14:30		7470	248	---																PWS
JUN	3 03:00		5980	724	---		3	4	12	23	34	59	94	100							PWS
JUN	8 09:01		7840	183	213												89	41	55	4	PWS
JUN	14 12:36		2020	700	122 M	5	7	13	21	32	48	70	87	97	100		92 88	51	42	7	P63
JUN	14 12:44		2020	512	213 M	5	8	17	28	41	59	77	87	95	100		89	41	50	8	P63
JUN	14 12:52		2020	332	305 M	8	15	25	39	55	72	84	91	96	100		88	28	57	15	P63
JUN	14 13:00		2040	264	396 M	11	20	31	45	58	77	96	100				85	23	57	20	P63
JUN	14 13:02		2040	163	488 M	20	23	37	55	68	83	95	100				88	17	60	23	P63
JUN	22 11:38	13.0	1830	304	122 M	5	11	19	28	38	47	71	87	97	100		89	53	36	11	P63
JUN	22 11:49		1830	214	213 M	5	14	24	37	48	61	80	93	98	100		78	39	47	14	P63
JUN	22 11:59		1820	180	305 M	9	15	28	44	58	71	81	88	95	100		71	29	56	15	P63
JUN	22 12:05		1820	125	396 M	15	25	38	55	70	83	93	97	99	100		61	17	58	25	P63
JUN	22 12:15		1810	87	488 M	11	22	35	51	66	82	95	99	100			48	18	60	22	P63
JUL	6 10:45		9920	487	---												82				PWS
JUL	6 10:55		9830	408	---																PWS
JUL	6 11:10		9730	355	---																PWS
JUL	6 11:15		9730	274	---																PWS
JUL	6 11:18		9730	743	---																PWS
JUL	10 07:58		10400	381	---																PWS
JUL	10 10:05		10800	502	---																PWS
JUL	13 11:51		10200	714	---		3	7	9	13	17	28	60	87	98	100					PWS
AUG	1 10:30		6350	135	---												73	72	21	7	PWS
AUG	1 10:49		6550	119	---												76				PWS
AUG	1 10:50		6550	183	---																PWS
AUG	2 12:02		8500	81	---																PWS
AUG	2 17:00		7800	145	---																PWS
AUG	2 22:00		1840	97	---																PWS
AUG	3 17:00		7570	218	---																PWS
AUG	3 22:00		1850	453	---																PWS
AUG	4 17:00		5850	208	---																PWS
AUG	4 22:00		3880	157	---																PWS
AUG	5 17:00		5120	141	---																PWS
AUG	5 22:00		5130	142	---												73				PWS
AUG	6 17:00		4090	151	---																PWS
AUG	7 08:20		6130	244	---																PWS
AUG	7 10:00		7880	222	---																PWS
AUG	7 10:30		7820	307	---																PWS
AUG	7 17:00		2680	163	---																PWS
AUG	8 10:00		2680	307	---																PWS
AUG	8 19:00		2680	175	---																PWS
AUG	10 12:48		7610	253	---																PWS
AUG	10 13:22		7540	140	---																PWS
AUG	11 18:00		818	375	---																PWS
AUG	12 12:00		7880	235	---																PWS
AUG	12 18:00		682	420	---												82				PWS
AUG	13 18:00		1220	490	---																PWS
AUG	14 18:00		3110	774	---		2	3	5	7	11	25	72	95	100						PWS
AUG	15 12:00		5980	427	---												85	75	22	3	PWS
AUG	15 15:00		5490	294	---																PWS
AUG	16 21:00		-978	291	---																PWS
AUG	17 08:32		3740	490	---																PWS
AUG	17 10:27		3340	309	---																PWS
AUG	17 15:00		5550	212	---												86				PWS
AUG	17 21:00		118	150	---																PWS
AUG	18 15:00		4850	262	---																PWS
AUG	18 21:00		884	357	---																PWS
AUG	19 15:00		3340	321	---																PWS
AUG	19 21:00		1800	175	---																PWS
AUG	20 15:00		1980	135	---																PWS
AUG	21 15:00		654	127	---																PWS
AUG	22 15:00		2220	220	---																PWS
AUG	22 21:00		3520	215	---																PWS

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
AUG 23	15:00		3010	295	---												70				PWS
AUG 23	21:00		3170	171	---																PWS
AUG 24	15:00		3870	241	---																PWS
AUG 24	21:00		3380	135	---																PWS
AUG 25	15:00		4400	129	---																PWS
AUG 25	21:00		2750	141	---																PWS
AUG 26	15:00		5010	151	---																PWS
AUG 26	21:00		2430	98	---																PWS
AUG 27	09:18	15.0	1370	70	122 M												85				PB3
AUG 27	09:28		1370	45	213 M												64				PB3
AUG 27	09:38		1370	39	305 M												58				PB3
AUG 27	09:48		1370	39	396 M												63				PB3
AUG 27	09:59		1370	28	488 M												57				PB3
AUG 27	10:22		6850	289	---																PWS
AUG 27	12:02		5750	249	---																PWS
AUG 27	14:00		8050	421	---																PWS
AUG 27	20:00		-807	285	---																PWS
AUG 30	14:00		6000	284	---																PWS
AUG 30	20:00		-2800	120	---																PWS
AUG 31	14:00		5350	132	---												70				PWS
SEP	1 14:00		3700	149	---																PWS
SEP	2 20:00		3000	416	---																PWS
SEP	3 14:00		871	219	---																PWS
SEP	3 20:00		3880	367	---																PWS
SEP	6 12:00		4540	247	---																PWS
SEP	7 14:05		3300	99	---												72				PWS
SEP	7 14:35		2110	174	---																PWS
SEP	7 15:30		-1720	118	---																PWS
SEP	8 11:30		8230	222	---																PWS
SEP	8 15:30		-2660	278	---																PWS
SEP	9 15:30		-2590	163	---																PWS
SEP	10 11:30		8090	120	---																PWS
SEP	11 11:30		8930	120	---																PWS
SEP	11 15:30		1700	107	---																PWS
SEP	12 11:30		8060	189	---																PWS
SEP	12 15:30		2740	195	---																PWS
SEP	13 11:30		8350	237	---												70				PWS
SEP	13 15:30		3860	168	---																PWS
SEP	14 11:30		4510	238	---																PWS
SEP	14 15:30		3920	213	---																PWS
SEP	15 11:30		2730	88	---																PWS
SEP	16 11:30		1460	88	---																PWS
SEP	16 15:30		4140	180	---																PWS
SEP	17 09:27		512	34	122 M												83				PB3
SEP	17 09:38		446	27	213 M												58				PB3
SEP	17 09:48		446	34	305 M												56				PB3
SEP	17 10:01		390	30	396 M												84				PB3
SEP	17 10:15		316	24	488 M												56				PB3
SEP	17 10:34		1130	371	---																PWS
SEP	17 22:00		1910	170	---																PWS
SEP	18 07:00		5380	303	---																PWS
SEP	18 22:00		3040	284	---																PWS
SEP	19 07:00		5830	149	---																PWS
SEP	19 22:00		3170	106	---												73				PWS
SEP	20 07:00		8000	144	---																PWS
SEP	20 22:00		4270	183	---																PWS
SEP	21 07:00		6830	331	---																PWS
SEP	21 22:00		5540	159	---																PWS
SEP	22 07:00		8550	247	---																PWS
SEP	22 22:00		5830	225	---																PWS
SEP	23 07:00		8230	303	---		13	20	31	45	60	75	87	95	100						PWS
SEP	23 22:00		5490	309	---												81	25	55	20	PWS
SEP	24 07:00		3700	433	---																PWS
SEP	24 22:00		5080	482	---																PWS
SEP	25 07:00		2180	259	---																PWS
SEP	25 11:42		5540	270	---												77				PWS
SEP	25 14:00		5890	247	---																PWS
SEP	25 20:00		2470	144	---																PWS
SEP	26 14:00		5980	255	---																PWS
SEP	27 14:00		5830	106	---																PWS
SEP	27 20:00		-1720	144	---																PWS
SEP	28 14:00		5480	125	---																PWS
SEP	28 20:00		-1850	81	---												71				PWS
SEP	29 14:00		4170	102	---																PWS
SEP	29 20:00		-804	121	---																PWS
SEP	30 14:00		2770	142	---																PWS
SEP	30 20:00		1480	120	---																PWS
OCT	1 14:00		-986	112	---																PWS
OCT	1 20:00		3350	95	---																PWS
OCT	2 19:30		4420	178	---																PWS
OCT	3 08:00		5010	150	---																PWS
OCT	3 19:30		4110	87	---																PWS
OCT	4 08:00		5480	84	---																PWS
OCT	4 19:30		3820	123	---												75				PWS
OCT	5 08:00		5290	148	---																PWS
OCT	5 19:30		2480	240	---																PWS
OCT	6 08:00		3870	142	---																PWS
OCT	6 19:30		1820	161	---																PWS
OCT	7 08:00		4880	231	---																PWS
OCT	7 19:30		2110	188	---																PWS
OCT	8 08:00		4840	136	---																PWS
OCT	8 19:30		1810	81	---																PWS
OCT	9 08:00		3780	148	---																PWS
OCT	9 09:37		5780	185	---												67				PWS
OCT	9 15:00		2970	124	---																PWS
OCT	9 20:00		3870	148	---																PWS
OCT	10 15:00		5080	142	---																PWS
OCT	10 20:00		4270	105	---																PWS
OCT	11 13:05		7310	188	---																PWS
OCT	12 02:00		8260	333	---																PWS
OCT	12 07:00		2980	102	---																PWS
OCT	12 02:00		9140	398	---																PWS
OCT	13 07:00		3160	298	---												87				PWS

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
OCT	14	02:00		8850	449	---															PWS
OCT	14	07:00		3820	316	---															PWS
OCT	15	07:00		4850	401	---															PWS
OCT	16	02:00		7810	276	---															PWS
OCT	16	07:00		5870	260	---															PWS
OCT	17	02:00		7540	287	---															PWS
OCT	17	07:00		6170	328	---															PWS
OCT	18	02:00		8830	387	---															PWS
OCT	18	07:00		6440	329	---															PWS
OCT	19	02:00		5140	322	---															PWS
OCT	19	07:00		8290	282	---											83				PWS
OCT	20	02:00		4620	156	---															PWS
OCT	20	07:00		5140	209	---															PWS
OCT	21	02:00		3180	144	---															PWS
OCT	21	07:00		5330	244	---															PWS
OCT	22	02:00		3120	613	---															PWS
OCT	22	07:00		5570	237	---															PWS
OCT	23	02:00		4220	324	---															PWS
OCT	23	07:00		3110	424	---															PWS
OCT	24	02:00		5190	303	---															PWS
OCT	24	07:00		-678	206	---															PWS
OCT	25	02:00		5790	226	---											89				PWS
OCT	25	07:00		-3880	316	---															PWS
OCT	25	09:30		2240	308	---															PWS
OCT	25	09:33	7.5	448	20	122 M															PWS
OCT	25	09:44		568	21	213 M											71				P83
OCT	25	09:53		884	22	305 M											81				P83
OCT	25	10:03		884	21	396 M											86				P83
OCT	25	10:12		776	21	488 M											80				P83
OCT	26	02:00		5430	286	---											81				P83
OCT	26	07:00		-5020	253	---															PWS
OCT	27	07:00		-4370	173	---															PWS
OCT	28	02:00		8640	338	---															PWS
OCT	28	07:00		3810	465	---															PWS
OCT	28	14:05		3060	377	---															PWS
OCT	28	14:45		4270	220	---															PWS
OCT	30	06:00		4980	152	---											81				PWS
OCT	30	12:00		-4310	131	---															PWS
NOV	1	12:00		-3810	184	---															PWS
NOV	2	08:00		5030	71	---															PWS
NOV	2	12:00		-4140	248	---															PWS
NOV	3	11:25		2310	114	---															PWS
NOV	3	17:30		1350	125	---															PWS
NOV	4	11:25		4070	185	---															PWS
NOV	4	17:30		1530	190	---															PWS
NOV	5	11:25		4170	195	---															PWS
NOV	5	17:30		37.5	72	---											77				PWS
NOV	6	11:25		4490	189	---															PWS
NOV	6	16:00		-395	134	---															PWS
NOV	7	02:00		4480	97	---															PWS
NOV	7	16:00		1540	129	---															PWS
NOV	8	02:00		4630	106	---															PWS
NOV	8	16:00		577	111	---															PWS
NOV	9	02:00		5760	578	---															PWS
NOV	9	16:00		1070	192	---															PWS
NOV	10	02:00		5970	280	---															PWS
NOV	10	16:00		203	269	---											78				PWS
NOV	11	02:00		8520	250	---															PWS
NOV	11	16:00		2100	141	---															PWS
NOV	12	02:00		6230	295	---															PWS
NOV	12	16:00		1680	235	---															PWS
NOV	13	02:00		7020	282	---															PWS
NOV	13	16:00		4140	101	---															PWS
NOV	14	16:00		4200	97	---															PWS
NOV	15	02:00		5900	89	---															PWS
NOV	15	09:20		-1500	174	---															PWS
NOV	15	09:54		-2300	113	---											71				PWS
NOV	15	14:00		-1140	72	---															PWS
NOV	16	07:00		4150	82	---															PWS
NOV	16	14:00		-3070	125	---															PWS
NOV	17	07:00		4860	185	---															PWS
NOV	17	14:00		-4770	81	---															PWS
NOV	18	07:00		4830	97	---															PWS
NOV	18	14:00		-5870	85	---															PWS
NOV	19	07:00		4810	108	---															PWS
NOV	18	16:00		-4020	85	---															PWS
NOV	20	09:30		4820	78	---											80				PWS
NOV	20	16:00		-3960	84	---															PWS
NOV	21	09:30		4000	83	---															PWS
NOV	21	16:00		-3120	84	---															PWS
NOV	22	09:30		2340	100	---															PWS
NOV	22	16:00		-3120	128	---															PWS
NOV	23	09:30		-887	146	---															PWS
NOV	23	16:00		-583	46	---															PWS
NOV	24	09:30		-2580	78	---															PWS
NOV	24	16:00		1800	48	---															PWS
NOV	25	09:30		-4520	97	---											86				PWS
NOV	25	16:00		3700	215	---															PWS
NOV	26	09:30		4970	137	---															PWS
NOV	26	14:25		4360	158	---															PWS
NOV	27	09:00		3520	215	---															PWS
NOV	27	14:04		1420	180	---															PWS
NOV	28	09:00		4200	123	---															PWS
NOV	28	14:00		1020	214	---															PWS
NOV	28	09:00		4480	182	---															PWS
NOV	29	14:00		-2170	177	---															PWS
NOV	30	08:00		4760	84	---											78				PWS
NOV	30	14:00		-2960	109	---															PWS
DEC	1	08:00		4980	120	---															PWS
DEC	1	14:00		-2820	84	---															PWS
DEC	3	15:15		-2340	107	---															PWS
DEC	4	15:15		-2820	87	---															PWS
DEC	7	08:44		-2480	73	---															PWS

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
DEC 8	02:00		4970		83	---																PWS
DEC 8	09:00		-2360		117	---																PWS
DEC 9	02:00		5380		84	---																PWS
DEC 9	09:00		3810		90	---												84				PWS
DEC 10	02:00		5590		116	---																PWS
DEC 10	09:00		-4440		117	---																PWS
DEC 11	02:00		5710		186	---																PWS
DEC 14	09:37		-6480		159	---																PWS
DEC 14	10:41		-6710		86	---																PWS
DEC 14	13:00		-3710		40	---																PWS
DEC 15	05:30		4970		101	---																PWS
DEC 15	13:00		-3880		119	---																PWS
DEC 16	05:30		1880	B	57	---												82				PWS
DEC 16	13:00		1880	B	38	---																PWS

NOTE : SINGLE VERTICAL IS UNDETERMINED

DISCHARGE SYMBOL(S): B - ICE CONDITIONS

FRASER RIVER AT PORT MANN PUMPING STATION - STATION NO. 08MH128

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1985	JUN-DEC	M-S	390	OCT 26	10	DEC 15	293 000	JUN 17	11 000 000	---	---	---
1986	JAN-DEC	M-C	765	MAY 11	10	JAN 24	518 000	MAY 13	17 800 000	48 700	48 700	---
1987	JAN-DEC	M-C	858	JUN 09	8	FEB 17	675 000	JUN 08 *	25 300 000 *	69 300	59 000	17.5
1988	JAN-DEC	M-C	597	MAY 25	13	JAN 11	452 000	MAY 25	20 800 000	56 200	56 100	10.4
1989	JAN-DEC	M-C	374	JUN 13	10	DEC 19	320 000	JUN 13	13 000 000	35 500	52 400	13.5
1970	JAN-DEC	M-C	590	JUN 08	8	MAR 13 *	485 000	JUN 08	10 600 000	39 000	47 700	15.1
1971	JAN-DEC	M-C	414	APR 30	8	DEC 15	258 000	MAY 17	14 700 000	40 100	48 500	12.9
1972	JAN-DEC	M-C	703	MAY 18	8	DEC 14	550 000	MAY 18	25 200 000	69 000	48 700	12.1
1973	JAN-DEC	M-C	481	MAY 22	11	JAN 12		---	---	---	---	---
1974	JAN-DEC	M-C	500	MAY 03	14	JAN 02		---	---	---	---	---
1975	JAN-DEC	B-C	328	MAY 15	13	DEC 16		---	---	---	---	---
1976	JAN-DEC	B-C	571	MAY 11	10	FEB 25		---	---	---	---	---
1977	JAN-DEC	B-C	477	MAY 01	14	DEC 23		---	---	---	---	---
1984	APR-DEC	B-MS	774	AUG 14 *	30	MAY 14		---	---	---	---	---

B - BOTH AUTOMATIC AND MANUAL SAMPLING M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 49 12 19 N LONG 121 46 35 W
DRAINAGE AREA: 218 000 km²
TYPE OF FLOW: REGULATED SINCE 1952
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 15 073 884 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	850 B	14 S	1 150	1 130	14	1 370	1 050	10	907	1
2	1 000 B	23	1 980	1 120	15 S	1 450	1 070	10	924	2
3	1 150	58 S	5 880	1 130	16	1 560	1 050	11	998	3
4	2 870	1 370	340 000	1 160	17 S	1 700	1 030	11	978	4
5	2 530	1 160 S	254 000	1 180	17	1 730	1 020	11	988	5
6	1 850	381	80 900	1 180	15 S	1 850	1 030	14	1 250	6
7	1 690	181 S	22 100	1 180	15	1 830	1 020	19 S	1 870	7
8	1 530	98	13 000	1 160	12 S	1 200	1 050	24	2 180	8
9	1 430	84 S	7 910	1 150	11	1 080	1 060	32	2 830	9
10	1 390	43 S	5 180	1 140	12 S	1 180	1 080	38	3 550	10
11	1 390	43 S	5 180	1 120	15	1 450	1 110	41	3 930	11
12	1 410	43	5 240	1 140	16 S	1 770	1 110	44	4 220	12
13	1 390	28 S	3 380	1 150	19	1 890	1 120	44	4 260	13
14	1 340	35	2 880	1 130	18 S	1 760	1 120	43 S	4 180	14
15	1 270	29 S	3 160	1 100	18	1 710	1 110	42	4 030	15
16	1 210	31	3 240	1 100	19 S	1 810	1 100	42 S	3 990	16
17	1 180	28 S	2 810	1 080	18	1 680	1 130	45	4 390	17
18	1 110	20	1 920	1 070	15 S	1 390	1 150	48 S	4 810	18
19	1 070 B	15 S	1 380	1 080	13	1 190	1 180	51	5 110	19
20	1 020 B	15	1 320	1 130	28 S	2 440	1 180	52 S	5 320	20
21	985 B	19 S	1 630	1 230	23	2 340	1 310	215	24 300	21
22	1 000 B	19	1 840	1 150	14 S	1 390	1 310	413 S	46 700	22
23	1 030 B	15 S	1 420	1 120	10	988	1 380	385	45 800	23
24	1 110	43	4 130	1 100	10 S	850	1 470	308 S	38 100	24
25	1 340	84 S	10 800	1 080	9	840	1 550	275	36 800	25
26	1 180	34	3 470	1 080	10	933	1 640	281 S	37 000	26
27	1 210	30 S	3 140	1 070	10	924	1 770	271	41 400	27
28	1 390	85	10 200	1 070	9	832	1 880	284 S	45 800	28
29	1 380	89 S	8 110	1 070	9	832	1 830	288	47 100	29
30	1 210	31	3 240				1 230	332 S	52 200	30
31	1 170	14 S	1 820				1 100	314	48 800	31
TOTAL	41 855		782 070	32 590		41 888	38 800		538 477	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	1 790	262 S	39 000	2 170	83 S	11 800	3 840	149 S	49 400	1
2	1 790 A	181 S	28 000	2 180	81 S	11 300	4 140	254 S	80 900	2
3	1 610	169 S	26 400	2 130	47 S	8 850	4 400	372 S	141 000	3
4	1 780	162	24 800	2 100	44 S	7 880	4 480	385 S	149 000	4
5	1 870	156 S	25 200	2 150	46 S	8 960	4 400	302 S	115 000	5
6	1 850	157	25 100	2 180	51 S	9 610	4 360	230 S	88 200	6
7	1 830	165 S	26 100	2 190	53 S	10 000	4 510	283 S	110 000	7
8	1 850	171	27 300	2 210	47 S	8 970	4 610	308 S	128 000	8
9	1 880	153 S	24 900	2 230	54 S	10 400	5 040	315 S	137 000	9
10	1 830	128	20 200	2 250	50 S	9 720	5 350	407 S	188 000	10
11	1 740	110 S	16 800	2 380	63 S	13 000	5 780	530 S	264 000	11
12	1 710	98	14 800	2 550	78 S	17 300	6 230	600 S	315 000	12
13	1 660	90 S	13 100	2 640	109 S	24 900	6 750	444 S	259 000	13
14	1 670	81	11 700	2 730	133 S	31 400	7 380	577 S	368 000	14
15	1 750	71 S	10 700	2 740	97 S	23 000	7 810	537 S	430 000	15
16	1 670	83 S	10 200	2 770	84 S	22 500	8 200	625 S	443 000	16
17	1 980	93 S	15 000	2 900	135 S	33 800	8 250 A	569 S	406 000	17
18	2 270	262 S	51 400	3 080	185 S	49 400	8 200 E	477 S	338 000	18
19	2 570	490 S	108 000	3 260	275 S	78 200	8 130 E	418 S	293 000	19
20	2 890	519 S	121 000	3 410	284 S	88 800	7 840 A	315 S	213 000	20
21	3 080	377 S	88 800	3 430	277 S	81 900	7 250	337 S	211 000	21
22	2 830	268 S	60 400	3 500	257 S	77 700	6 870	345 S	205 000	22
23	2 680	208 S	47 800	3 730	328 S	105 000	6 520	285 S	161 000	23
24	2 660	182 S	41 800	3 770	334 S	109 000	6 380	254 S	140 000	24
25	2 630	185 S	42 000	3 630	274 S	85 900	6 380	228 S	125 000	25
26	2 570	145 S	32 200	3 520	204 S	62 000	6 530	226 S	128 000	26
27	2 510	123 S	26 700	3 410	169 S	48 800	6 850	247 S	146 000	27
28	2 400	106 S	22 000	3 330	126 S	36 600	7 440	288 S	185 000	28
29	2 290	88 S	17 400	3 420	126 S	37 800	7 920	309 S	211 000	29
30	2 230	68 S	13 100	3 730	307 S	85 700	7 850	289 S	198 000	30
31				3 390	155 S	80 800				31
TOTAL	83 450		1 031 300	89 540		1 237 980	149 910		8 134 500	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

SUSPENDED SEDIMENT FOR 1984

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	6 080	338 S	234 000	5 090	37 S	16 300	3 140	119	32 300	1
2	6 310	361 S	259 000	4 950	40 S	17 100	2 880	110	28 300	2
3	6 340	331 S	239 000	4 880	53 S	22 300	2 780	102	24 600	3
4	6 310	298 S	214 000	4 770	46 S	19 800	2 650	89 S	22 700	4
5	7 980	286 S	184 000	4 710	41 S	15 700	2 590	89	23 000	5
6	7 580	333 S	152 000	4 880	42 S	17 000	2 850	92	22 700	6
7	7 070	217 S	133 000	4 580	58 S	23 000	2 820	84 S	14 500	7
8	7 080	182 S	118 000	4 470	78 S	29 400	2 500	52	11 200	8
9	7 640	207 S	135 000	4 400	81 S	34 800	2 510	56	13 100	9
10	7 880	249 S	185 000	4 380	98 S	37 600	2 840	89 S	16 900	10
11	7 240	214 S	134 000	4 180	80 S	32 600	2 990	92	23 800	11
12	8 930	228 S	135 000	3 950	83 S	28 300	3 180	133 S	33 600	12
13	8 620	173 S	89 000	3 880 A	84	28 200	3 200	158	44 500	13
14	8 550	186 S	93 900	3 780 E	85 S	28 200	3 310	150 S	42 900	14
15	8 480	154 S	88 200	3 700 E	85 S	20 800	3 150	118	32 100	15
16	8 540	140 S	78 100	3 600 E	60	18 700	2 890	83 S	20 700	16
17	8 440	141 S	78 500	3 600 E	61	19 000	2 740	57	13 500	17
18	8 280	125 S	67 800	3 550 E	80 S	18 400	2 850	61 S	14 000	18
19	8 070	124 S	85 000	3 400 E	52	15 300	2 510	113	24 500	19
20	8 080	115 S	80 400	3 300 E	38 S	10 800	2 930	214 S	54 200	20
21	8 070	108 S	56 800	3 180 E	35	9 520	3 870	321	102 000	21
22	5 880	105 S	53 300	3 100 E	33 S	8 840	3 880	279 S	93 500	22
23	5 850	104 S	50 600	3 180 E	32	8 780	3 780	195	63 300	23
24	5 270	114 S	52 900	3 140 E	34 S	8 220	3 450	154 S	45 900	24
25	5 180	106 S	47 200	2 980 E	36	8 270	3 180	118	32 200	25
26	4 980	42 S	18 100	2 800 E	40 S	9 680	2 920	85 S	21 700	26
27	4 830	38 S	15 900	2 690 E	42	9 780	2 700	63	14 700	27
28	4 810	43 S	17 800	2 620 E	47 S	10 600	2 510	51 S	11 100	28
29	4 940	53 S	22 600	2 850 A	61	14 000	2 370	44	9 010	29
30	5 100	33 S	14 500	2 910	90	22 800	2 240	37 S	7 180	30
31	5 200	37 S	16 800	3 080	115 S	30 400				31
TOTAL	201 130		3 098 200	118 210		898 880	87 860		912 870	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	2 140	42 S	7 770	1 700	23	3 380	1 280	19	2 130	1
2	2 040	38 S	6 700	1 480	24	3 070	1 170	18	1 820	2
3	1 980	34	5 780	1 510	24	3 280	1 100	23	3 190	3
4	1 920	34	5 640	1 540	23	3 080	1 110	28 S	2 880	4
5	1 910	33	5 450	1 490	23	2 980	1 090	27	2 540	5
6	1 970	35	5 980	1 480	27	3 480	1 040	24	2 180	6
7	2 190	46	8 700	1 490	27	3 640	1 000	21	1 810	7
8	2 350	72	14 800	1 520	21	2 840	1 050	20	1 810	8
9	2 700	104	24 300	1 610	20	2 780	1 080	20	1 830	9
10	2 950	144 S	36 700	1 630	20	2 820	1 020	20	1 760	10
11	3 350	179	51 800	1 640	20	2 830	1 030	20	1 780	11
12	3 690	198	66 500	1 630	20	2 800	1 080	19	1 740	12
13	3 830	183	60 800	1 590	18	2 470	1 130	19	1 860	13
14	3 810	156	51 400	1 510	19	2 480	1 220	17	1 790	14
15	3 680	132	42 000	1 480	18	2 300	1 220	18	1 890	15
16	3 480	112	33 600	1 410	20	2 440	1 080	15	1 370	16
17	3 280	97 S	27 800	1 320	18	2 050	1 040	15	1 350	17
18	3 060	86	22 700	1 220	16	1 690	980 B	14	1 200	18
19	2 820	73	17 800	1 270	15	1 750	915 B	14	1 110	19
20	2 690	81	13 700	1 330	21	2 410	855 B	13	960	20
21	2 440	55	11 800	1 350	21	2 450	805 B	12	835	21
22	2 310	46	9 180	1 340	20	2 320	780 B	12	788	22
23	2 180	35	6 520	1 380	18	2 150	726 B	13	782	23
24	2 070	31 S	5 540	1 400	15	1 940	718 B	12	744	24
25	2 100	32	5 810	1 310	13	1 470	723 B	12	749	25
26	2 000	28	5 010	1 280	10 S	1 110	738 B	11	761	26
27	1 980	30	5 080	1 350	11	1 280	742 B	13	833	27
28	2 150	43	7 990	1 380	20 S	2 380	742 B	13	833	28
29	2 250	41	7 970	1 380	21	2 500	735 B	12	762	29
30	2 130	28	5 340	1 380	18	2 120	700 B	12	726	30
31	1 890	26 S	4 260				680 B	12	705	31
TOTAL	78 370		563 480	43 880		74 840	28 807		43 998	TOTAL

A - MANUAL GAUGE B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP (°C)	INSTANT DISCHARGE (m³/s)		INSTANT CONCENT (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN 01	11:31	1.0	950	W	13	205													89				P63
JAN 03	11:18	2.0	1130		24	205																	P63
JAN 05	12:14	3.0	2380		1160	205		26	33	43	57	72	86	97	100				78	14	53	33	P63
JAN 05	14:15	4.0	2320		1020	205		21	28	38	54	69	82	92	98	100			84	18	54	28	P63
JAN 05	14:57	3.0	649		1020	81.4	M	30	36	47	62	75	88	100					81	12	52	36	P72
JAN 05	15:02	3.0	574		984	183	M	26	33	43	60	74	88	97	100				77	14	53	33	P72
JAN 05	15:33	3.0	415		884	274	M	17	26	39	54	69	82	95	99	100			82	18	56	26	P72
JAN 05	15:04	3.0	189		838	366	M	27	34	41	55	70	84	95	99	100			78	18	50	34	P72
JAN 05	16:08	3.0	438		758	457	M	17	29	43	58	74	88	98	99	100			78	12	59	29	P72
JAN 05	16:18	3.0	2270		876	205		13	24	36	51	65	79	89	96	99	100		82	21	55	24	P72
JAN 07	15:56	3.0	1570		132	205		21	30	39	55	69	80	89	96	99	100		87	20	50	30	P63
JAN 08	15:29	3.0	1420		57	205																	P63
JAN 10	12:40	3.0	1380		41	205																	P63
JAN 11	11:14	3.0	1410		43	205													82				P63
JAN 13	12:38	2.0	1380		28	205																	P63
JAN 15	13:42	0.0	1260		30	205													104				P63
JAN 17	08:03	0.0	1170		28	205																	P63
JAN 19	11:47	0.0	1070	W	14	205																	P63
JAN 21	10:38	0.0	895	W	19	205																	P63
JAN 23	07:32	2.0	1030	W	18	205																	P63
JAN 25	13:11	3.0	1330		94	205																	P63
JAN 27	07:56	4.0	1160		24	206													101				P63
JAN 29	14:27	4.0	1340		82	206																	P63
JAN 31	08:48	3.0	1170		15	206																	P63
JAN 31	09:52	3.0	1170		17	206																	P63
FEB 02	11:33	4.0	1120		13	206													87				P63
FEB 04	15:18	3.0	1160		18	206													114				P63
FEB 06	16:35	3.0	1190		14	206																	P63
FEB 08	12:11	3.0	1160		11	206																	P63
FEB 08	13:27	3.0	1160		12	206																	P63
FEB 10	10:33	3.0	1140		11	205													101				P63
FEB 12	13:38	2.0	1140		19	206																	P63
FEB 14	12:33	3.0	1120		17	206																	P63
FEB 16	12:13	3.0	1100		18	206																	P63
FEB 18	14:43	3.0	1070		14	206													94				P63
FEB 20	10:03	2.0	1080		12	206																	P63
FEB 22	09:48	3.0	1150		13	206																	P63
FEB 24	13:01	3.0	1100		10	206																	P63
MAR 07	13:32	4.0	1010		17	205													92				P63
MAR 14	11:58	4.0	1130		42	206													105				P63
MAR 16	07:36	3.0	1090		42	206																	P63
MAR 18	10:43	5.0	1150		47	206																	P63
MAR 20	07:38	3.0	1180		50	206																	P63
MAR 22	07:48	3.0	1300		410	206		15	24	35	48	58	84	71	85	98	100		106	36	40	24	P63
MAR 24	07:33	3.0	1480		314	206		27	36	46	62	75	82	89	98	100			100	16	46	36	P63
MAR 26	14:28	5.0	1640		260	206																	P63
MAR 28	14:33	4.0	1860		279	206																	P63
MAR 30	15:33	5.0	1820		334	206													101				P63
APR 01	09:03	5.0	1780		268	206																	P63
APR 02	15:43	5.0	1790	V	176	206		21	30	43	58	65	71	81	89	91	100		109	29	41	30	P63
APR 03	11:48	5.0	1820		188	206																	P63
APR 05	11:03	5.0	1880		156	206																	P63
APR 07	12:33	5.0	1830		167	206																	P63
APR 09	11:51	5.0	1890		157	206													91				P63
APR 11	13:45	5.0	1730		111	206																	P63
APR 13	11:19	7.0	1680		91	206																	P63
APR 15	11:32	10.0	1740		74	206																	P63
APR 16	12:04	8.0	517		55	81.0	M												138				P72
APR 16	12:10	8.0	488		82	183	M												91				P72
APR 16	12:16	8.0	347		74	274	M												91				P72
APR 16	12:19	8.0	169		72	366	M												91				P72
APR 16	12:28	8.0	299		80	457	M												87				P72
APR 16	12:35	8.0	1880		77	205													86				P72
APR 16	12:57	8.0	1880		84	206													113				P63
APR 17	11:32	8.0	1870		84	206													88				P63
APR 18	12:07	8.0	2280		288	206		14	19	27	38	45	56	79	93	99	100		112	44	37	19	P63
APR 19	11:33	8.0	2580		511	206		18	21	28	42	53	67	81	96	100			115	33	46	21	P63
APR 20	12:22	8.0	2700		548	206		14	20	30	43	56	68	77	91	98	100		109	32	48	20	P63
APR 21	11:29	7.0	2650		402	206		11	15	25	37	50	62	76	92	99	100		108	38	47	15	P63
APR 22	12:12	7.0	2620		262	206																	P63
APR 23	12:08	7.0	2640		222	206																	P63
APR 24	12:09	7.0	2640		193	206																	P63
APR 25	12:51	7.0	2620		208	206																	P63
APR 26	10:41	7.0	2570		156	206																	P63
APR 27	11:15	8.0	2510		136	206																	P63
APR 28	11:23	8.0	2410		116	206													85				P63
APR 29	11:31	8.0	2290		101	206																	P63
APR 30	12:03	7.0	2220		74	206																	P63
MAY 01	11:20	8.0	2180		71	206																	P63
MAY 02	11:21	8.0	2170		72	206																	P63
MAY 03	10:18	7.0	2120		53	206																	P63
MAY 04	11:48	8.0	2090		51	206																	P63
MAY 05	11:23	8.0	2160		55	206																	P63
MAY 06	12:20	8.0	2160		60	206													85				P63
MAY 07	11:34	10.0	2180		82	206																	P63
MAY 08	09:50	9.0	2210		63	206																	P63
MAY 09	11:39	9.0	2230		68	206																	P63
MAY 10	11:33	10.0	2240		54	206																	P63
MAY 11	12:22	10.0	2390		77	206																	P63
MAY 12	13:41	11.0	2580		85	206													80				P63
MAY 13	12:09	10.0	2640		132	206																	P63
MAY 14	12:10	10.0	2740		170	205		7	8	17	25	32	41	50	59	91	100		104	59	33	8	P63
MAY 15	11:51	10.0	2760		123	206																	P63
MAY 16	11:24	10.0	2760		114	206																	P63
MAY 17	11:23	11.0	2900		171	206																	P63
MAY 18	08:47	10.0	912		145	91.0	M												106				P63
MAY 18	08:53	10.0	787		173	183	M												85				P72
MAY 18	09:02	10.0	587		214	274	M												106				P72
MAY 18	09:06	10.0	314		183	366	M												102				P72
MAY 18	09:13	10.0	574		168	457	M												101				P72
MAY 18	09:21	10.0	3070		221	205													103				P72
MAY 18	09:55	10.0	3080		219	205													112				P72
MAY 18	11:32	10.0	3090		283	205		5	8	15	22	28	38	58	68	100			107				P63
																			82	61	30	8	P63

NOTE : SINGLE VERTICAL LOCATED AT 205 METRES

DISCHARGE SYMBOL(S): V - DAILY MEAN, MANUAL GAUGE W - DAILY MEAN, ICE CONDITIONS
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FRASER RIVER NEAR AGASSIZ - STATION NO 08MF035 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP (°C)	INSTANT DISCHARGE (m³/s)		INSTANT CONCENT (mg/L)		SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
MAY 19	11:06	10.0	3280		358		206		5	7	13	20	28	38	55	75	93	100		84	84	29	7	P63
MAY 20	12:39	10.0	3410		376		206													89				P63
MAY 21	11:26	10.0	3420		384		206																	P63
MAY 22	12:38	10.0	3500		325		206		7	10	17	25	32	41	54	71	89	100		91	59	31	10	P63
MAY 23	10:14	9.0	3890		421		206																	P63
MAY 24	12:49	10.0	3770		435		206																	P63
MAY 25	12:22	10.0	3630		358		206													92				P63
MAY 26	12:11	9.0	3530		258		206																	P63
MAY 27	10:28	11.0	3430		213		206																	P63
MAY 28	13:37	13.0	3320		163		206																	P63
MAY 29	15:23	13.0	3430		163		206																	P63
MAY 30	09:43	11.0	3720		261		206																	P63
MAY 31	11:55	10.0	3810		188		206		7	11	20	28	35	43	53	65	81	100		78	57	32	11	P63
JUN 01	11:24	11.0	3830		178		206																	P63
JUN 02	15:35	12.0	4200		334		206																	P63
JUN 03	12:58	11.0	4420		476		206		5	7	12	18	27	37	55	68	100			84	63	30	7	P63
JUN 04	15:19	12.0	4480		484		206		4	5	10	16	23	33	50	77	96	100		88	67	28	5	P63
JUN 05	15:46	12.0	4380		356		206		5	8	14	22	31	42	58	76	96	100		81	58	34	8	P63
JUN 06	15:03	12.0	4330		268		206																	P63
JUN 07	18:52	11.0	4840		390		206																	P63
JUN 08	15:16	11.0	4830		353		206													88				P63
JUN 09	16:08	12.0	5050		384		206		4	8	12	18	24	33	45	66	92	100		77	67	25	8	P63
JUN 10	13:51	12.0	5370		484		206		5	7	11	17	25	35	49	72	95	100		85	65	28	7	P63
JUN 11	15:11	13.0	5810		872		206		2	6	11	17	26	36	50	66	84	100		81	65	28	6	P63
JUN 12	11:26	13.0	1840		359		91.0	M	4	6	9	14	22	35	51	68	84	100		84	65	29	6	P63
JUN 12	11:33	13.0	1370		387		183	M	9	15	25	37	52	73	94	100				71	27	57	15	P63
JUN 12	11:38	13.0	984		559		274	M	7	10	15	22	32	46	65	84	97	100		78	37	50	13	P63
JUN 12	11:41	13.0	603		377		366	M	8	13	22	34	48	65	82	94	98	100		72	54	36	10	P63
JUN 12	11:46	13.0	1170		281		457	M	10	13	22	34	48	65	82	95	100			71	35	53	12	P63
JUN 12	14:37	13.0	5280		607		206		5	9	14	20	30	42	60	78	95	100		62	21	66	13	P63
JUN 13	15:14	14.0	6780		890		206		5	9	13	19	27	40	57	76	92	100		79	58	33	9	P63
JUN 14	16:57	14.0	7440		878		206		5	7	12	18	27	40	57	78	92	100		81	60	31	9	P63
JUN 15	14:23	13.0	7780		720		206		5	6	13	19	27	40	54	69	88	100		75	60	33	7	P63
JUN 16	15:12	12.0	8240		890		206		5	9	13	20	28	40	58	77	95	100		74	62	30	8	P63
JUN 17	14:41	13.0	8250	V	841		206		5	9	15	23	33	45	65	84	98	100		77	60	31	9	P63
JUN 18	15:31	13.0	8200	V	817		206		5	11	17	25	36	50	65	82	95	100		71	55	36	9	P63
JUN 19	15:17	13.0	8120	V	476		206													85	50	39	11	P63
JUN 20	10:53	13.0	2230		309		91.0	M	10	17	26	37	48	61	73	84	92	100						P63
JUN 20	10:57	13.0	1540		284		183	M	13	19	31	44	54	67	84	95	98	100		72	38	44	17	P63
JUN 20	11:00	13.0	1240		422		274	M	8	14	21	28	36	46	59	77	95	100		70	33	48	18	P63
JUN 20	11:04	13.0	821		310		366	M	11	17	25	35	47	58	68	78	89	100		67	54	32	14	P63
JUN 20	11:08	13.0	1830		229		457	M	14	25	38	50	63	77	90	97	99	100		70	42	41	17	P63
JUN 20	11:15	13.0	7780		342		206		14	15	25	33	42	55	74	88	97	100		75	23	52	25	P63
JUN 20	11:40	13.0	7750		345		206		14	17	25	35	43	55	73	88	96	100		75	45	40	15	P63
JUN 20	14:52	13.0	7660		448		206		5	8	14	21	30	40	52	68	87	100		75	45	38	17	P63
JUN 21	15:18	13.0	7190		397		206													78	60	31	9	P63
JUN 22	14:48	13.0	8840		397		206		4	6	10	15	21	29	46	70	85	95	100					P63
JUN 23	18:13	14.0	8820		317		206													71	71	23	6	P63
JUN 24	14:10	15.0	8390		303		206		5	10	14	18	25	33	46	65	82	100						P63
JUN 25	15:23	15.0	8370		262		206													64	67	23	10	P63
JUN 26	14:29	14.0	8530		272		206																	P63
JUN 27	14:00	14.0	8880		298		206																	P63
JUN 28	12:56	14.0	7450		342		206		5	8	14	20	28	34	48	63	82	100		85	66	26	6	P63
JUN 29	14:20	12.0	7960		363		206		7	10	16	23	29	38	56	76	89	100		58	82	28	10	P63
JUN 30	14:26	12.0	7930		342		206		5	10	15	22	30	41	54	71	81	94	96	61	59	31	10	P63
JUL 01	13:21	12.0	8330		394		206																	P63
JUL 02	15:30	13.0	8340		421		206		5	10	16	23	31	40	56	74	88	100		66	80	30	10	P63
JUL 03	10:24	14.0	2380		320		91.0	M	11	14	21	33	42	53	71	89	98	100		66	58	32	10	P63
JUL 03	10:29	14.0	1680		273		183	M	13	17	26	39	51	63	81	93	99	100		66	47	39	14	P63
JUL 03	10:34	14.0	1260		427		274	M	6	8	13	23	30	40	54	69	91	100		63	50	31	9	P63
JUL 03	10:38	14.0	873		282		366	M	10	17	26	36	48	62	75	85	93	100		80	38	45	17	P63
JUL 03	10:44	14.0	1720		191		457	M	10	18	32	45	58	73	83	94	99	100		64	17	65	18	P63
JUL 03	10:50	14.0	8310		327		206		11	15	22	31	42	55	72	87	97	100		61	45	40	15	P63
JUL 03	11:01	14.0	8310		376		206		7	12	19	30	38	49	68	85	96	100		62	51	37	12	P63
JUL 03	18:31	14.0	8340		415		206		8	9	16	25	33	44	63	80	93	100		66	58	35	9	P63
JUL 04	14:28	13.0	8280		358		206		8	13	20	29	38	48	62	77	88	100		67	54	33	13	P63
JUL 05	14:20	13.0	8000		309		206		8	13	21	30	38	45	64	86	94	100		70	55	32	13	P63
JUL 06	15:56	13.0	7480		269		206		8	13	21	29	37	46	59	75	91	100		62	54	33	13	P63
JUL 07	14:14	13.0	7030		261		206		8	13	19	26	32	41	53	71	84	100		68	59	28	13	P63
JUL 08	13:26	14.0	7100		233		206																	P63
JUL 08	10:46	14.0	2200		193		91.0	M	13	21	31	42	52	67	85	95	99	100						P63
JUL 08	10:49	14.0	1630		186		183	M	16	22	31	42	54	67	85	96	100			84	33	45	21	P63
JUL 08	10:52	14.0	1170		257		274	M	13	18	27	38	48	60	78	93	98	100		66	33	45	22	P63
JUL 08	10:56	14.0	830		195		366	M	12	18	27	37	48	62	78	88	97	100		67	54	30	16	P63
JUL 08	11:00	14.0	1630		136		457	M	11	19	32	47	64	78	91	97	100			68	38	44	18	P63
JUL 08	11:06	14.0	7550		215		206		7	13	22	31	41	54	67	81	93	100		69	21	60	19	P63
JUL 08	11:33	14.0	7570		230		206		5	11	21	33	42	58	72	88	98	100		65	48	41	13	P63
JUL 08	14:48	15.0	7590		280		206		4	11	18	25	33	45	59	75	83	100		70	44	45	11	P63
JUL 10	14:20	14.0	7650		306		206		8	15	25	36	46	55	70	83	92	100		72	55	34	11	P63
JUL 11	14:41	15.0	7180		283		206		9	14	24	36	44	55	78	92	100			68	45	40	15	P63
JUL 12	14:50	14.0	6890		289		206		8	12	19	27	32	38	48	64	81	100		57	25	51	14	P63
JUL 13	14:20	15.0	6590		214		206		5	11	19	26	33	43	55	71	92	100		59	62	26	12	P63
JUL 14	14:17	15.0	6550		227		206													68	57	32	11	P63
JUL 15	12:25	16.0	6460		212		206		7	13	19	26	31	40	52	68	81	100		77				P63
JUL 16	12:21	17.0	6550		186		206													81	60	27	13	P63
JUL 17	11:41	16.0	6460		214		206																	P63
JUL 18	11:48	16.0	6280		184		206																	P63
JUL 19	11:42	16.0	6080		185		206																	P63
JUL 20	11:28	15.0	6060		180		206																	P63
JUL 21	12:00	15.0	6070		171		206																	P63
JUL 22	11:24	16.0	5890		171		206																	P63
JUL 23	13:18	16.0	1580		85		91.0	M																P63
JUL 23	13:21	16.0	1260		114		183	M												78				P63
JUL 23	13:24	16.0	810		149		274	M												88				P63
JUL 23	13:27	16.0	588		109		366	M												84				P63
JUL 23	13:32	16.0	1180		77		457	M												89				P63
JUL 23	13:40	16.0	5830		141		206													84				P63
JUL 23	14:12	16.0	5830		170		206													74				P63
JUL 23	16:25	17.0	5800		180		206													71				P63
JUL 24	12:12	17.0	5380		187		206																	P63
JUL 25	12:19	16.0	5150		108		206																	P63
JUL 26	11:57	15.0	4970		59		206																	P63
JUL 27	11:43	17.0	4840		66		206													82				P63

NOTE : SINGLE VERTICAL LOCATED AT 206 METRES

DISCHARGE SYMBOL(S): V - DAILY MEAN; MANUAL GAUGE ? - DAILY MEAN, ESTIMATED
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUL 28	13:13	18.0	4820	89	206																	P63
JUL 29	12:35	18.0	4940	94	206																	P63
JUL 30	12:02	19.0	5100	48	206																	P63
JUL 31	12:25	19.0	5070	84	206																	P63
AUG 01	12:19	19.0	5070	58	206																	P63
AUG 02	12:06	19.0	4950	57	206																	P63
AUG 03	11:27	18.0	4880	84	206														80			P63
AUG 04	11:08	18.0	4780	72	206																	P63
AUG 05	15:30	18.0	4710	58	206																	P63
AUG 06	11:58	18.0	4680	56	206																	P63
AUG 07	13:09	18.0	4570	82	206																	P63
AUG 08	12:40	19.0	4470	106	206																	P63
AUG 09	12:28	20.0	4380	122	206																	P63
AUG 10	12:41	19.0	4380	133	206																	P63
AUG 11	11:33	19.0	4190	119	206																	P63
AUG 12	14:00	17.0	3940	105	206																	P63
AUG 14	10:54	18.0	3780	111	206														72			P63
AUG 15	11:49	19.0	3700	76	206																	P63
AUG 18	11:28	18.0	3550	71	206																	P63
AUG 20	11:51	17.0	3300	40	206																	P63
AUG 22	12:08	18.0	3100	34	206																	P63
AUG 24	15:41	18.0	3140	38	206														77			P63
AUG 26	12:22	18.0	2800	45	206														81			P63
AUG 28	15:12	17.0	2620	50	206																	P63
AUG 31	10:34	15.0	3060	120	206																	P63
SEP 04	09:53	15.0	2840	102	206														77			P63
SEP 07	15:00	14.0	2580	59	206														84			P63
SEP 10	10:49	14.0	2850	78	206														80			P63
SEP 10	13:25	14.0	2500	66	206														78			P63
SEP 12	15:24	14.0	3180	127	206																	P63
SEP 14	13:51	14.0	3310	149	206		11	21	33	46	58	68	78	87	95	100		86	34	45	21	P63
SEP 16	14:35	13.0	2850	78	206		16	35	38	53	67	75	82	89	98	100		78	25	50	25	P63
SEP 18	11:45	14.0	2660	57	206																	P63
SEP 20	12:11	13.0	2920	207	206																	P63
SEP 22	14:27	12.0	3890	259	206		11	18	30	47	58	70	80	88	94	100		80	30	52	18	P63
SEP 24	13:45	11.0	3430	151	206																	P63
SEP 26	16:51	11.0	2870	80	206																	P63
SEP 28	11:30	11.0	2510	52	206																	P63
SEP 30	15:04	11.0	2220	34	206																	P63
OCT 01	08:55	10.0	2150	43	206														83			P63
OCT 02	14:18	12.0	2030	35	206														85			P63
OCT 24	12:00	8.0	2070	29	206														88			P63
OCT 31	10:31	3.0	1890	27	206														85			P63
NOV 28	10:33	3.0	1270	13	206																	P63
NOV 28	12:03	3.0	381	17	81.0	M																P63
NOV 28	12:06	3.0	362	21	183	M													86			P63
NOV 28	12:12	3.0	238	23	274	M													82			P63
NOV 28	12:17	3.0	103	22	366	M													94			P63
NOV 28	12:21	3.0	295	21	457	M													98			P63
NOV 28	12:30	3.0	1390	21	206														95			P63
NOV 28	12:58	3.0	1390	24	206														95			P63
DEC 04	13:20	1.0	1120	28	206														94			P63
																			114			P63

NOTE : SINGLE VERTICAL LOCATED AT 206 METRES

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

POINT INTEGRATING PARTICLE-SIZE ANALYSIS OF SUSPENDED SEDIMENT FOR 1984

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	WATER TEMP. (°C)	SAMPLING VERTICAL (m)	DEPTH OF SAMPLE (m)	CONCENT. OF SAMPLE (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY
JUN 20	12:23	2230	13.0	91.4	0.15	258	7	15	28	47	58	69	84	88	100			73	31	54	15
JUN 20	12:22	2230	13.0	91.4	1.23	244	2	8	19	42	52	61	82	95	99	100		76	39	53	8
JUN 20	12:21	2230	13.0	91.4	2.56	274	6	16	27	41	49	57	77	86	100			87	43	41	16
JUN 20	12:20	2230	13.0	91.4	3.99	348	15	17	20	32	41	50	68	86	97	100		71	50	33	17
JUN 20	12:19	2230	13.0	91.4	5.32	353	11	16	22	28	38	48	70	91	98	100		71	52	32	16
JUN 20	12:16	2230	13.0	91.4	5.99	420	8	13	19	27	34	45	80	83	97	100		73	55	32	13
JUN 20	12:14	2230	13.0	91.4	6.50	488	15	16	23	31	40	45	55	85	98	100		85	55	27	18
JUN 20	12:13		13.0	91.4	6.65		STREAMBED														
JUN 20	12:30	1540	13.0	183	0.15	229	24	32	44	62	76	85	93	100				70	15	53	32
JUN 20	12:29	1540	13.0	183	1.82	257	15	18	33	49	59	71	88	96	100			85	29	53	18
JUN 20	12:28	1540	13.0	183	3.63	255	10	16	28	40	52	65	81	93	98	100		73	35	47	18
JUN 20	12:27	1540	13.0	183	4.84	314	4	11	22	33	44	56	71	85	96	100		73	44	45	11
JUN 20	12:26	1540	13.0	183	5.80	382	5	10	19	27	35	46	60	75	90	100		72	54	36	10
JUN 20	12:25		13.0	183	6.05		STREAMBED														
JUN 20	12:37	1240	13.0	274	0.15	305	19	24	32	42	52	64	77	88	97	100		71	36	40	24
JUN 20	12:36	1240	13.0	274	1.35	322	7	12	22	30	41	54	69	82	92	100		83	46	42	12
JUN 20	12:35	1240	13.0	274	3.09	384	10	15	21	28	35	46	61	82	97	100		61	54	31	15
JUN 20	12:34	1240	13.0	274	4.12	526	8	11	15	21	28	38	50	63	75	100		72	62	27	11
JUN 20	12:32	1240	13.0	274	5.00	961	4	7	10	14	17	20	28	41	79	100		82	80	13	7
JUN 20	12:31		13.0	274	5.15		STREAMBED														
JUN 20	12:43	821	13.0	366	0.15	213	12	19	31	47	64	79	94	99	100			71	21	50	19
JUN 20	12:42	821	13.0	366	1.07	254	25	27	35	46	55	69	87	98	100			89	31	42	27
JUN 20	12:41	821	13.0	366	2.13	291	13	19	30	42	52	63	77	88	97	100		65	37	44	19
JUN 20	12:40	821	13.0	366	2.84	438	11	14	21	28	34	42	54	73	94	100		88	58	28	14
JUN 20	12:38	821	13.0	366	3.40	807	9	12	16	21	25	34	45	65	92	100		85	66	22	12
JUN 20	12:37		13.0	366	3.65		STREAMBED														
JUN 20	12:52	1830	13.0	457	0.15	205	15	24	38	60	73	86	94	97	98	100		67	14	62	24
JUN 20	12:51	1830	13.0	457	1.51	181	14	21	35	52	70	86	98	100				76	14	65	21
JUN 20	12:50	1830	13.0	457	3.02	188	16	28	39	54	70	86	98	100				65	14	60	26
JUN 20	12:49	1830	13.0	457	4.63	258	15	19	26	40	53	65	83	94	98	100		80	35	46	19
JUN 20	12:48	1830	13.0	457	5.04	230	16	23	35	52	66	79	92	98	100			80	21	56	23
JUN 20	12:47	1830	13.0	457	5.80	240	16	23	34	47	60	76	88	98	100			70	25	52	23
JUN 20	12:45	1830	13.0	457	7.40	280	16	21	33	46	55	65	82	95	99	100		81	35	44	21
JUN 20	12:44		13.0	457	7.55		STREAMBED														

NOTE : SINGLE VERTICAL LOCATED AT 206 METRES

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

BED LOAD PARTICLE-SIZE ANALYSIS FOR 1984

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .016	.031	.062	.125	.250	.500	1.00	2.00	4.00	8.00	16.00	32.00	64.00	TYPE OF SAMPLER
JUN 20	13:16	7850	91.4						1	1	2	8	22	54	83		VUV
JUN 20	13:35	7850	183					1	5	12	14	15	22	45	88	100	VUV
JUN 20	13:48	7850	274					2	6	9	10	12	16	27	41	76	VUV
JUN 20	14:04	7850	366					3	23	30	31	33	44	75	91	100	VUV
JUN 20	14:14	7850	457		1	7	25	87	97	98	100						VUV
JUL 03	12:15	7920	91					1	3	4	5	7	11	13	28	100	VUV
JUL 03	12:29	7920	183					1	1	2	2	2	5	18	23	31	VUV
JUL 03	12:45	7920	274					2	14	18	20	21	24	27	38	100	VUV
JUL 03	13:20	7920	366					1	7	11	12	14	19	30	58	100	VUV
JUL 03	13:42	7920	457						2	3	3	4	10	33	76	100	VUV
JUL 09	11:58	7450	91						1	1	1	1	1	3	12	13	VUV
JUL 09	12:21	7450	183				1	4	18	24	32	42	46	58	100		VUV
JUL 09	12:41	7450	274					1	5	7	8	8	10	14	27	88	VUV
JUL 09	13:01	7450	366						4	6	7	9	16	34	78	100	VUV
JUL 09	13:15	7450	457					3	39	48	48	48	48	48	100		VUV

BRITISH COLUMBIA

FRASER RIVER NEAR AGASSIZ - STATION NO. 08MF035

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1966	JUN-DEC	M-S	320	JUN 22	8	DEC 05	230 000	JUN 22	7 410 000	---	---	---
1967	JAN-DEC	M-C	832	MAY 11	7	JAN 22	578 000	JUN 06	25 300 000	69 400	69 400	---
1968	JAN-DEC	M-C	821	MAY 24	8	JAN 04	570 000	MAY 24	21 400 000	58 400	83 800	8.8
1969	JAN-DEC	M-C	1 070	APR 15	11	DEC 29	283 000	APR 15	12 800 000	35 000	54 300	15.7
1970	JAN-DEC	M-C	880	JUN 07	5	NOV 09	629 000	JUN 08	12 400 000	34 000	49 200	17.8
1971	JAN-DEC	M-C	1 070	APR 26	5	MAR 10	456 000	MAY 15	18 000 000	49 400	48 200	13.8
1972	JAN-DEC	M-C	1 110	MAY 17	7	JAN 19	623 000	MAY 17	28 000 000 *	76 800	53 800	13.4
1973	JAN-DEC	M-C	785	MAY 20	5	FEB 14	474 000	MAY 20	13 800 000	37 800	51 500	12.8
1974	JAN-DEC	M-C	817	MAY 03	4	JAN 10	639 000	JUN 20	24 100 000	66 100	53 400	11.1
1975	JAN-DEC	M-C	875	MAY 14	2	OCT 31 *	386 000	MAY 14	11 200 000	30 800	50 800	11.4
1976	JAN-DEC	M-C	1 180	MAY 07 *	5	JAN 24	707 000	MAY 07	25 800 000	70 500	52 800	10.5
1977	JAN-DEC	M-C	831	APR 28	2	FEB 06	380 000	APR 29	12 700 000	34 800	51 200	10.3
1978	JAN-DEC	M-C	593	JUN 09	5	JAN 19	358 000	JUN 08	10 800 000	29 200	49 400	10.4
1979	JAN-DEC	M-C	1 030	MAY 04	8	NOV 02	404 000	JUN 01	14 700 000	40 300	48 700	9.8
1980	JAN-DEC	M-C	733	MAY 03	4	JAN 10	320 000	MAY 03	9 500 000	25 800	47 000	10.0
1981	JAN-DEC	M-C	702	APR 28	8	DEC 30	406 000	MAY 26	12 000 000	33 000	46 100	8.7
1982	JAN-DEC	M-C	847	MAY 21	3	JAN 29	547 000	MAY 21	23 200 000	63 800	47 200	8.2
1983	JAN-DEC	M-C	382	JUN 03	6	OCT 22	238 000	JUN 03	8 730 000	23 800	45 800	9.4
1984	JAN-DEC	M-C	1 150	JAN 05	10	FEB 24	443 000	JUN 16	15 100 000	41 200	45 800	8.9

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 52 31 48 N LONG 122 26 32 W
DRAINAGE AREA: 114 000 km²
TYPE OF FLOW: REGULATED SINCE 1952
TYPE OF GAUGE: MANUAL

TOTAL SUSPENDED SEDIMENT LOAD 7 581 030.4 TONNES FOR THE PERIOD JAN 01 TO DEC 31

REMARKS:

DAY	JAN DAILY DISCHARGE (m³/s)	JAN MEAN CONCENTRATION (mg/L)	JAN DAILY LOAD (t)	FEB DAILY DISCHARGE (m³/s)	FEB MEAN CONCENTRATION (mg/L)	FEB DAILY LOAD (t)	MAR DAILY DISCHARGE (m³/s)	MAR MEAN CONCENTRATION (mg/L)	MAR DAILY LOAD (t)	DAY
1	400 B	8	276	490 B	10	423	430 B	104 S	3 880	1
2	420 B	5 S	181	490 B	10	423	430 B	121	4 500	2
3	440 B	5	190	500 B	12	518	430 B	138	5 050	3
4	480 B	7	290	500 B	14	605	430 B	151	5 610	4
5	500 B	8	346	510 B	15	661	435 B	158	6 170	5
6	520 B	10	449	520 B	17 S	784	425 B	185	6 780	6
7	520 B	12	538	520 B	20	899	420 B	201 S	7 290	7
8	520 B	15 S	674	520 B	22	988	420 B	219	7 950	8
9	530 B	20	916	510 B	24	1 080	425 B	238	8 740	9
10	533 B	26 S	1 200	500 B	27	1 170	430 B	260	9 680	10
11	535 B	28	1 200	490 B	29	1 230	435 B	285	10 700	11
12	540 B	21	980	480 B	30 S	1 240	435 B	305	11 800	12
13	550 B	15 S	713	480 B	28	1 180	440 B	314 S	11 900	13
14	580 B	11	532	480 B	25	1 080	440 B	301	11 400	14
15	580 B	8	387	480 B	24	995	450 B	283	11 000	15
16	580 B	5	285	480 B	22	912	480 B	258	10 800	16
17	530 B	4	183	470 B	21	853	470 B	249	10 100	17
18	500 B	3	130	460 B	18 S	718	480 B	233	9 880	18
19	480 B	2 S	82.8	450 B	24	933	500 B	221 S	9 880	19
20	480 B	2	78.5	440 B	55	2 240	530 B	219	9 880	20
21	450 B	3	117	435 B	80 S	3 380	588	227	11 800	21
22	450 B	3	117	440 B	77	2 930	888	278	15 800	22
23	450 B	4	159	440 B	48	1 820	788	377	25 000	23
24	470 B	4	162	440 B	36 S	1 370	922	481	38 200	24
25	470 B	4 S	162	440 B	36	1 370	1 040	530 S	47 600	25
26	470 B	4	162	430 B	43	1 800	1 080	502	46 800	26
27	480 B	3	124	430 B	84	3 010	1 070	436	40 200	27
28	480 B	4	166	430 B	84	3 580	1 070	357	33 000	28
29	480 B	8	254	430 B	87	3 230	1 080	288	28 100	29
30	480 B	8	339				1 050 E	224	20 300	30
31	490 B	10 S	423				1 030	169 S	15 800	31
TOTAL	15 328		11 818.4	13 885		39 149	19 249		493 380	TOTAL

DAY	APR DAILY DISCHARGE (m³/s)	APR MEAN CONCENTRATION (mg/L)	APR DAILY LOAD (t)	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	DAY
1	1 040	171	15 400	1 070	38 S	3 510	2 230	267 S	51 400	1
2	1 030	166	13 800	1 040	32 S	2 880	2 420	208	43 700	2
3	1 020	142	12 500	1 080	33	3 030	2 430	178	37 200	3
4	1 030	132	11 700	1 120	39	3 770	2 220	154	30 300	4
5	1 020	128	11 100	1 180	40	4 010	3 130	147 S	27 100	5
6	1 020	123 S	10 800	1 130	39 S	3 810	2 170	158 S	29 800	6
7	1 040	118	10 700	1 110	40 S	3 840	2 320	213 S	42 800	7
8	1 050	111	10 100	1 110	34 S	3 260	2 640	324 S	71 100	8
9	1 050	100	9 070	1 140	36	3 550	2 750	390	90 390	9
10	1 040	89	8 000	1 280	49	5 330	2 980	408	104 080	10
11	1 010	78	6 880	1 380	70	8 330	3 100	503 S	135 080	11
12	940	73 S	5 930	1 370	76 S	9 000	3 220	456 S	127 080	12
13	828	72	5 770	1 380	66 S	7 790	3 400	435 S	145 080	13
14	884	88	7 180	1 380	65 S	7 760	3 800	480	149 080	14
15	1 020	133	10 800	1 440	81	11 300	3 800	485	153 080	15
16	1 180	284	26 500	1 580	176	24 080	3 830	469	159 080	16
17	1 480	496	52 800	1 780	283	40 400	3 820	532 S	180 080	17
18	1 720	846 S	81 400	1 880	282 S	46 800	3 880	387 S	129 080	18
19	1 880	478 S	58 400	1 810	302 S	49 800	3 580	274 S	84 800	19
20	1 880	343 S	46 800	1 980	325 S	55 800	3 270	191	54 080	20
21	1 830	281	34 300	2 080	336	61 080	3 080	183	42 200	21
22	1 830	218	26 800	2 200	304	57 800	2 780	167	37 400	22
23	1 830	184	20 700	2 100	213	38 500	2 800	155	37 300	23
24	1 480	106 S	13 400	1 880	138 S	23 300	3 810	190	62 800	24
25	1 430	82 S	11 300	1 810	112 S	17 800	2 780	334	87 200	25
26	1 330	113 S	12 800	1 730	93	13 800	3 080	298	77 800	26
27	1 240	130	13 900	1 880	78	10 800	3 240	333	93 200	27
28	1 180	114	11 800	1 830	83	8 830	3 380	388	103 080	28
29	1 130	77	7 830	1 810	67	7 830	3 630	409 S	128 080	29
30	1 080	50 S	4 710	1 880	85 S	12 300	3 830	493 S	163 080	30
31				1 880	158 S	25 300				31
TOTAL	38 223		885 880	47 840		574 780	90 830		3 038 080	TOTAL

B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

SUSPENDED SEDIMENT FOR 1984

DAY	JUL DAILY DISCHARGE (m^3/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m^3/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAY
1	3 900	457 S	154 000	2 440	103	21 700	1 870	154	20 800	1
2	3 870	453	155 000	2 420	88	20 500	1 820	94	11 500	2
3	3 810	343	116 000	2 390	102	21 100	1 380	58 S	6 870	3
4	3 700	273	87 300	2 400	110	22 800	1 440	61 S	8 380	4
5	3 430	221 S	65 900	2 380	105	21 800	1 390	43 S	5 180	5
6	3 240	183 S	51 200	2 340	88 S	18 000	1 310	41	4 840	6
7	3 450	288 S	89 100	2 320	71	14 200	1 280	58	6 310	7
8	3 820	408	137 000	2 300	65	13 700	1 480	93	11 700	8
9	3 840	324	107 000	2 280	80	15 800	1 650	121	17 200	9
10	3 890	272	85 700	2 140	76 S	14 400	1 750	137	20 700	10
11	3 240	177 S	51 100	1 980	71 S	12 100	2 080	151	28 700	11
12	3 190	180 S	44 100	1 890	70 S	11 400	2 140	148	27 400	12
13	3 130	162 S	43 700	1 870	80	12 900	2 080	118	21 100	13
14	3 110	224	60 200	1 780	82	12 400	1 830	84	13 300	14
15	3 140	188	50 500	1 730	70	10 500	1 670	55 S	8 080	15
16	3 030	144	37 850	1 780	80 S	9 230	1 550	37 S	4 980	16
17	2 880	126 S	31 200	1 750	57 S	8 620	1 440	43 S	5 380	17
18	2 840	115 S	28 200	1 680	54	7 740	1 400	75	9 070	18
19	2 870	131 S	32 500	1 570	51	6 920	2 220	133	25 500	19
20	2 870	167	41 400	1 540	56	7 450	2 830	244	53 300	20
21	2 820	185	45 100	1 580	66 S	9 260	2 890	297 S	88 500	21
22	2 870	161	37 100	1 730	69 S	10 300	2 400	275	57 000	22
23	2 520	131	28 500	1 600	59 S	8 180	2 080	232	41 700	23
24	2 380	111	22 800	1 450	46 S	5 810	1 810	171	28 700	24
25	2 270	84	16 400	1 340	40	4 630	1 800	114	15 800	25
26	2 210	82	15 700	1 290	38	4 240	1 450	70	8 770	26
27	2 240	77	14 900	1 280	45	4 980	1 330	42 S	4 790	27
28	2 340	82	16 500	1 470	88 S	8 780	1 240	34 S	3 640	28
29	2 470	101 S	21 800	1 850	123 S	17 500	1 170	22 S	2 220	29
30	2 590	116 S	26 400	1 800	107 S	30 800	1 110	15	1 440	30
31	2 550	113 S	24 900	1 770	210	32 100				31
TOTAL	94 500		1 741 300	57 890		419 520	50 290		534 750	TOTAL

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	1 050	21 S	1 910	884	38	2 070	480 B	27	1 120	1
2	1 020	24	2 120	820 E	38	1 930	480 B	26	1 030	2
3	978	25 S	2 110	800 E	30	1 580	440 B	24	912	3
4	978	32	2 700	878	27	1 360	420 B	22	798	4
5	1 170	44 S	4 480	884	24	1 210	420 B	22	798	5
6	1 280	85	8 130	884	24	1 380	420 B	31 S	782	6
7	1 260	56	6 180	884	28	1 540	420 B	15	544	7
8	1 240	83	8 890	778	30	2 020	420 B	12 S	435	8
9	1 220	170	17 900	788	34 S	2 340	440 B	12	456	9
10	1 810	327 S	54 000	784	35	2 370	490 B	18	838	10
11	2 300	428 S	85 300	780	35	2 300	480 B	19	788	11
12	2 130	356	65 200	743	33	2 130	500 B	22	950	12
13	2 250	347	67 500	880	30	1 780	540 B	25	1 170	13
14	2 050	240	42 700	855	28	1 690	540 B	28	1 380	14
15	1 660	155	25 200	808	23	1 210	500 B	28	1 250	15
16	1 790	118 S	18 400	888	20	1 020	480 B	27	1 070	16
17	1 580	90	12 400	888	19	885	440 B	23	874	17
18	1 430	55	6 150	892	20	1 020	400 B	18 S	657	18
19	1 280	49	5 480	890	22	1 140	370 B	17	543	19
20	1 190	37	3 800	824	28	1 380	380 B	17	514	20
21	1 130	30 S	2 930	824	37	1 480	320 B	17	470	21
22	1 070	36	3 400	824	38	1 510	300 B	18	415	22
23	1 020	24	2 120	838	37	1 480	300 B	18	388	23
24	1 010	37	3 380	840	38	1 460	310 B	14	375	24
25	894	32	2 750	840	34	1 330	320 B	14	387	25
26	1 010	43	3 750	820 B	34	1 290	330 B	15	428	26
27	1 300	86	8 290	800 B	33	1 180	340 B	14	411	27
28	1 300	86	8 180	830 B	34	1 180	340 B	14	411	28
29	1 140	44	4 330	820 B	36	1 170	330 B	13	371	29
30	1 010	34	2 970	800 B	37	1 170	320 B	13	359	30
31	705	31	1 890				310 B	14	375	31
TOTAL	41 722		476 480	18 182		45 435	12 480		21 048	TOTAL

B - ICE CONDITIONS E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP (°C)		INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN	2 08:29			420	W	5		155													113				DIP
JAN	8 11:48			520	W	14		155																	DIP
JAN	10 13:41			533	W	25		155													136				DIP
JAN	13 13:17			550	W	13		155													128				DIP
JAN	18 13:23			480	W	2		155																	DIP
JAN	25 10:33			470	W	4		155													135				DIP
JAN	31 10:49			490	W	10		155													139				DIP
FEB	6 11:11			520	W	15		155													122				DIP
FEB	12 10:53			480	W	24		155																	DIP
FEB	18 09:59			460	W	18		155													115				DIP
FEB	21 13:21			435	W	77		155													120				DIP
FEB	24 10:41			440	W	35		155																	DIP
MAR	1 09:59			430	W	85		155													119				DIP
MAR	7 10:23			420	W	134		155																	DIP
MAR	13 09:51			460	W	171		155																	DIP
MAR	19 09:16			500	W	143		155													118				DIP
MAR	25 10:01			1040	H	316		155		21	33	51	73	90	98	100					122	2	65	33	DIP
MAR	31 08:26			1030	H	132		155																	DIP
APR	6 07:53			1020	H	100		155													111				DIP
APR	12 08:01			940	H	86		155																	DIP
APR	18 07:22			1720	H	521		155		6	9	19	35	59	86	98	100				112	14	77	9	DIP
APR	19 07:15			1680	H	289		155																	DIP
APR	20 07:26			1580	H	192		155													107				DIP
APR	24 07:21			1480	H	84		155																	DIP
APR	25 07:25			1420	H	78		155																	DIP
APR	26 07:16			1320	H	91		155																	DIP
APR	30 06:48			1090	H	52		155																	DIP
MAY	1 06:33			1070	H	40		155																	DIP
MAY	2 06:15			1040	H	34		155																	DIP
MAY	6 08:06			1130	H	38		155													113				DIP
MAY	7 06:20			1110	H	39		155													107				DIP
MAY	8 06:21			1110	H	35		155																	DIP
MAY	12 06:51			1370	H	74		155																	DIP
MAY	13 07:06			1380	H	84		155																	DIP
MAY	14 08:57			1360	H	81		155																	DIP
MAY	18 08:41			1880	H	172		155																	DIP
MAY	19 07:00			1910	H	173		155																	DIP
MAY	20 06:56			1980	H	180		155																	DIP
MAY	24 06:46			1950	H	116		155																	DIP
MAY	25 06:38			1810	H	89		155													123				DIP
MAY	25 13:29			414		101		200	M																DIP
MAY	25 13:33			370		141		170	M												103				PS1
MAY	25 13:37			1840		124		155													101				PS1
MAY	25 13:40			382		95		140	M												105				PS1
MAY	25 14:07			377		116		80.0	M												93				PS1
MAY	25 14:28			400		89		110	M												95				PS1
MAY	25 14:34			1840		89		155													100				PS1
MAY	25 14:44			1840		118		155													103				DIP
MAY	30 06:15			1880	H	84		155													101				PS1
MAY	30 13:21			1880	H	75		155																	DIP
MAY	30 13:26			1880	H	84		155													121				DIP
MAY	30 15:31			1880	H	82		155													108				PS1
MAY	31 05:56			1880	H	154		155		15	26	34	52	68	82	90	97	100			115				PS1
MAY	31 08:08			1880	H	117		155		13	21	35	59	76	93	97	99	100			77	16	56	28	PS1
MAY	31 17:38			1880	H	172		155													82	7	72	21	DIP
JUN	1 05:57			2230	H	306		155																	PS1
JUN	1 08:08			2230	H	171		155																	PS1
JUN	1 15:41			2230	H	298		155																	DIP
JUN	5 08:00			2130	H	162		155																	PS1
JUN	5 08:18			2130	H	127		155																	PS1
JUN	5 15:45			2130	H	167		155																	DIP
JUN	6 06:13			2170	H	115		155																	PS1
JUN	7 08:14			2320	H	149		155																	DIP
JUN	8 12:16	12.0		2540	H	166		155													129				DIP
JUN	8 12:26	12.0		2540	H	366		155													87				DIP
JUN	11 05:57	13.0		3100	H	495		155		8	11	19	29	40	54	68	81	84	100		84				PS1
JUN	11 08:13	13.0		3100	H	360		155		5	11	21	37	56	75	90	96	100			76	46	43	11	PS1
JUN	11 09:18	13.0		724		478		200	M	8	11	20	31	44	58	80	94	99	100		103	25	64	11	DIP
JUN	11 09:33	13.0		577		804		170	M	8	10	17	26	38	47	62	77	89	100		79	42	47	11	PS1
JUN	11 09:36	13.0		3250		540		155		7	9	15	26	39	53	71	88	97	100		81	53	37	10	PS1
JUN	11 09:39	13.0		553		451		140	M	11	14	24	38	48	62	80	93	98	100		78	47	44	9	PS1
JUN	11 09:43	13.0		547		412		110	M	9	16	27	40	53	68	85	95	99	100		81	38	48	14	PS1
JUN	11 09:47	13.0		744		504		80.0	M	7	13	22	33	44	59	85	96	100			78	32	52	16	PS1
JUN	11 11:16	13.0	H	3100	H	304		155		8	14	30	48	65	83	95	98	100			78	17	69	14	DIP
JUN	11 15:33	13.0	H	3100	H	611		155		9	11	19	30	40	52	68	82	95	100		77	46	41	11	PS1
JUN	12 05:56	13.0	H	3220	H	498		155																	PS1
JUN	12 15:19	13.0	H	3220	H	538		155		11	13	22	33	46	61	79	89	96	100		74	39	48	13	PS1
JUN	13 05:58	13.5	H	3400	H	588		155																	PS1
JUN	13 15:21	13.5	H	3400	H	555		155		8	12	18	33	49	62	74	84	94	100		75	38	50	12	PS1
JUN	17 06:22	12.0	H	3920	H	616		155																	PS1
JUN	17 15:36	12.0	H	3920	H	700		155																	PS1
JUN	18 06:00	12.0	H	3880	H	512		155		10	15	23	33	41	50	60	71	84	100		74	50	35	15	PS1
JUN	18 15:58	12.0	H	3880	H	454		155																	PS1
JUN	19 05:57	11.0	H	3580	H	398		155																	PS1
JUN	19 08:32	11.0		733		304		80.0	M	14	17	27	40	54	64	84	85	99	100		70	36	47	17	PS1
JUN	19 08:37	11.0		788		255		110	M	14	19	31	48	62	75	87	95	99	100		71	25	56	19	PS1
JUN	19 08:40	11.0		882		295		140	M	14	18	30	45	57	69	79	90	97	100		72	31	51	18	PS1
JUN	19 08:44	11.0		3680		385		155		10	12	18	31	42	54	67	80	90	100		76	46	42	12	PS1
JUN	19 08:47	11.0		843		293		170	M	10	16	27	38	52	64	75	84	90	100		73	38	48	16	PS1
JUN	19 08:53	11.0		733		279		200	M	8	16	27	40	53	68	81	91	96	100		75	32	52	16	PS1
JUN	19 08:58	11.0		3580		364		155		7	8	20	32	42	51	62	74	89	100		78	49	43	8	PS1
JUN	19 09:01	11.0		3580		188		155		12	21	34	55	70	86	96	99	100			74	14	65	21	DIP
JUN	19 15:58	11.0		3580	H	321		155		12	17	24	34	45	57	68	82	94	100		87	43	40	17	PS1
JUN	20 05:58	12.0		3620	H	431		155																	PS1
JUN	20 15:01	12.0		3620	H	504		155		8	11	17	26	38	48	63	80	97	100		88	52	37	11	PS1
JUN	30 05:01	12.0		3820	H	506		155																	PS1
JUN	30 15:53	12.0		3820	H	502		155		8	11	17	24	30	38	51	76	96	100		87	62	27	11	PS1
JUL	1 06:03	11.5		3800	H	494		155																	PS1
JUL	1 15:26	11.5		3800	H	488		155		9	12	18	30	40	48	60	75	89	100		81	51	37	12	PS1
JUL	5 05:57	12.0		3430	H	250		155													70				PS1
JUL	5 15:14	12.0		3430	H	227		155																	PS1
JUL	6 06:00	13.0		3240	H	208		155																	PS1
JUL	6 15:48	13.0		3240	H	188		155																	PS1

NOTE : SINGLE VERTICAL LOCATED AT 155 METRES

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUL 7	08:03	13.0	3450	H	233		185																	PS1
JUL 7	15:34	13.0	3450	H	348		185																	PS1
JUL 11	08:12	13.0	3340	H	207		185																	PS1
JUL 11	15:57	13.0	3340	H	187		185																	PS1
JUL 12	05:59	14.0	3190	H	188		185																	PS1
JUL 12	15:03	14.0	3190	H	185		185																	PS1
JUL 13	06:17	14.0	3120	H	147		185																	PS1
JUL 13	14:34	14.0	3120	H	188		185																	PS1
JUL 17	08:22	14.5	2880	H	126		185																	PS1
JUL 17	15:06	14.5	2880	H	130		185																	PS1
JUL 18	05:57	15.0	2840	H	128		185																	PS1
JUL 18	08:47	15.0	482		107		200	M													91			PS1
JUL 18	08:59	15.0	578		110		60.0	M													90			PS1
JUL 18	09:05	15.0	658		98		110	M													87			PS1
JUL 18	09:08	15.0	514		110		140	M													84			PS1
JUL 18	09:42	15.0	540		120		170	M													87			PS1
JUL 18	10:13	15.0	2840	H	114		185														83			PS1
JUL 18	10:15	15.0	2840	H	85		185														66			PS1
JUL 18	15:05	15.0	2840	H	116		185																	PS1
JUL 19	05:56	15.0	2870	H	128		185																	PS1
JUL 19	15:39	15.0	2870	H	141		185																	PS1
JUL 29	06:06	18.0	2470	H	101		185														82			PS1
JUL 29	15:04	18.0	2470	H	112		185																	PS1
JUL 30	05:58	18.0	2590	H	128		185																	PS1
JUL 30	14:54	18.0	2590	H	129		185																	PS1
JUL 31	05:55	18.0	2550	H	127		185																	PS1
JUL 31	14:52	18.0	2550	H	124		185																	PS1
AUG 6	05:09	18.0	2340	H	105		185																	PS1
AUG 6	15:10	18.0	2340	H	95		185																	PS1
AUG 10	08:13	18.5	2140	H	93		185																	PS1
AUG 10	15:28	18.5	2140	H	81		185																	PS1
AUG 11	05:58	18.0	1980	H	76		185														69			PS1
AUG 11	15:03	18.0	1980	H	83		185																	PS1
AUG 12	08:02	18.0	1880	H	74		185																	PS1
AUG 12	15:11	18.0	1880	H	76		185																	PS1
AUG 16	05:13	17.0	1780	H	87		185																	PS1
AUG 16	08:36	17.0	1780	H	89		200	M													76			PS1
AUG 16	08:42	17.0	328		89		170	M													74			PS1
AUG 16	08:46	17.0	1780		86		185														78			PS1
AUG 16	08:50	17.0	365		58		140	M													76			PS1
AUG 16	08:54	17.0	433		58		110	M													70			PS1
AUG 16	08:58	17.0	383		61		80.0	M													72			PS1
AUG 17	06:12	17.0	1780	H	82		185																	PS1
AUG 21	09:48	17.0	1580	H	86		185														85			PS1
AUG 22	08:22	16.0	1730	H	78		185																	PS1
AUG 23	08:21	16.0	1800	H	86		185																	PS1
AUG 24	08:18	16.0	1450	H	57		185																	PS1
AUG 28	08:21	15.0	1470	H	58		185														83			PS1
AUG 29	06:16	14.0	1850	H	113		185																	PS1
AUG 30	08:23	13.5	1800	H	100		185																	PS1
SEP 3	06:14	13.0	1390	H	66		185																	PS1
SEP 4	06:31	13.0	1440	H	55		185														85			PS1
SEP 5	07:03	13.0	1390	H	49		185																	PS1
SEP 15	08:10	11.5	1670	H	87		185														83			PS1
SEP 16	08:19	11.5	1550	H	42		185																	PS1
SEP 17	06:14	12.0	1440	H	39		185																	PS1
SEP 21	06:17	11.0	2590	H	218		185																	PS1
SEP 27	07:57	8.5	1320	H	44		185																	PS1
SEP 28	07:02	8.0	1240	H	39		185																	PS1
SEP 29	06:38	7.5	1170	H	28		185														101			PS1
OCT 1	12:33	8.0	1050	H	21		185														91			DIP
OCT 1	12:45	8.0	1050	H	22		185														92			PS1
OCT 3	06:26	8.0	976	H	25		185																	PS1
OCT 5	06:17	9.0	1170	H	41		185																	PS1
OCT 10	06:22	10.0	1810	H	267		185														103			PS1
OCT 11	06:44	9.5	2300	H	457		185		17	21	36	54	72	84	91	97	99	100			89	16	63	21	PS1
OCT 16	07:37	7.0	1780	H	130		185																	PS1
OCT 21	08:32	4.5	1130	H	32		185														107			PS1
NOV 9	12:51		798	H	32		185														111			DIP
DEC 8	11:48		420	W	19		185														127			DIP
DEC 8	08:41		420	W	11		185														127			DIP
DEC 16	09:15		400	W	18		185														135			DIP

NOTE : SINGLE VERTICAL LOCATED AT 185 METRES

DISCHARGE SYMBOL(S): H - DAILY MEAN W - DAILY MEAN; ICE CONDITIONS
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

POINT INTEGRATING PARTICLE-SIZE ANALYSIS OF SUSPENDED SEDIMENT FOR 1984

DATE	TIME	INSTANT. DISCHARGE (m^3/s)	WATER TEMP. (°C)	SAMPLING VERTICAL (m)	DEPTH OF SAMPLE (m)	CONCENT. OF SAMPLE (mg/L)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY
JUN 11	09:50	744	13.0	80	0.10	385	5	10	21	37	52	89	89	98	100			84	31	59	10
JUN 11	09:51	744	13.0	80	1.30	452	10	12	25	38	53	88	88	98	99	100		83	31	57	12
JUN 11	09:53	744	13.0	80	2.80	500	12	17	25	38	51	84	91	93	98	100		89	36	47	17
JUN 11	09:55	744	13.0	80	3.80	478	12	14	27	38	50	85	93	96	99	100		85	35	51	14
JUN 11	09:56	744	13.0	80	5.10	525	12	13	23	35	47	80	75	86	97	100		83	40	47	13
JUN 11	09:59	744	13.0	80	5.30	585	16	18	25	31	38	48	66	82	92	100		86	52	29	19
JUN 11	10:00		13.0	80	5.45		STREAMBED														
JUN 11	10:01	647	13.0	110	0.10	343	12	20	32	49	63	77	84	88	100			82	23	57	20
JUN 11	10:02	647	13.0	110	1.10	362	18	21	32	50	63	78	90	100				78	21	58	21
JUN 11	10:03	647	13.0	110	2.30	392	19	21	27	43	57	74	88	97	99	100		77	28	53	21
JUN 11	10:05	647	13.0	110	3.40	404	13	19	31	45	59	73	87	96	100			79	27	54	19
JUN 11	10:06	647	13.0	110	4.60	469	13	15	25	35	47	62	76	91	96	100		89	36	47	15
JUN 11	10:07	647	13.0	110	5.80	651	9	13	19	26	34	44	56	69	82	100		83	54	31	13
JUN 11	10:08		13.0	110	5.75		STREAMBED														
JUN 11	10:18	724	13.0	200	0.10	365	12	18	30	44	59	77	92	99	100			84	23	59	18
JUN 11	10:20	724	13.0	200	1.70	387	11	19	28	40	53	71	87	96	98	100		90	29	52	19
JUN 11	10:21	724	13.0	200	3.40	417	11	12	23	36	49	64	83	95	99	100		85	36	52	12
JUN 11	10:22	724	13.0	200	5.20	440	10	11	25	37	49	63	84	97	100			88	37	52	11
JUN 11	10:23	724	13.0	200	6.90	557	7	11	16	26	38	51	64	82	95	100		84	49	40	11
JUN 11	10:27	724	13.0	200	8.50	704	8	10	17	23	31	43	57	72	85	100		88	57	33	10
JUN 11	10:28		13.0	200	8.85		STREAMBED														
JUN 11	10:39	577	13.0	170	0.10	347	13	18	28	45	59	75	91	98	100			87	25	58	18
JUN 11	11:00	577	13.0	170	1.60	484	7	9	16	27	40	54	72	87	95	100		83	46	45	9
JUN 11	11:01	577	13.0	170	3.20	491	9	11	19	31	43	58	81	95	100			82	42	47	11
JUN 11	11:02	577	13.0	170	4.80	522	8	10	17	28	41	55	69	83	94	100		77	45	45	10
JUN 11	11:03	577	13.0	170	6.40	717	5	8	14	21	29	40	56	74	91	100		79	60	32	8
JUN 11	11:05	577	13.0	170	7.90	2389	1	2	4	6	9	11	18	28	43	100		79	89	9	2
JUN 11	11:06		13.0	170	8.05		STREAMBED														
JUN 11	11:08	553	13.0	140	0.10	301	8	13	29	44	61	80	85	89	100			78	20	67	13
JUN 11	11:09	553	13.0	140	1.20	404	11	15	29	41	55	69	85	95	99	100		74	31	53	16
JUN 11	11:10	553	13.0	140	2.40	402	15	17	21	36	51	66	84	95	98	100		73	34	49	17
JUN 11	11:11	553	13.0	140	3.60	425	11	15	26	41	52	66	82	93	98	100		77	34	50	16
JUN 11	11:12	553	13.0	140	4.80	514	8	7	21	29	41	54	70	85	96	100		88	46	47	7
JUN 11	11:13	553	13.0	140	5.90	720	7	9	15	23	32	42	55	67	90	100		73	58	33	9
JUN 11	11:14		13.0	140	6.05		STREAMBED														

NOTE : SINGLE VERTICAL LOCATED AT 155 METRES

FRASER RIVER NEAR MARGUERITE - STATION NO. 08MC018

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)			MINIMUM (mg/L)			SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)			TOTAL FOR PERIOD (TONNES)		SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1971	MAY-DEC	M-S	1 170	MAY 15		7	DEC 03		449 000	MAY 15		3 820 000		---	---	---
1972	APR-NOV	M-S	1 155	MAY 16		13	NOV 18		493 000	MAY 16		14 300 000		---	---	---
1973	MAR-DEC	M-S	1 085	MAY 17		5	DEC 28		330 000	MAY 16		3 840 000		---	---	---
1974	JAN-DEC	M-C	1 230	APR 29		6	JAN 14		432 000	MAY 02		14 500 000		39 800	39 800	---
1975	JAN-DEC	M-C	1 160	APR 16		8	JAN 29		241 000	MAY 13		7 290 000		20 000	29 800	32.9
1976	JAN-DEC	M-C	1 820	MAY 05	*	4	JAN 08		744 000	MAY 05	*	20 400 000	*	55 800	38 400	26.8
1977	JAN-DEC	M-C	843	APR 28		1	DEC 20	*	332 000	JUN 11		9 500 000		26 000	38 300	22.4
1978	JAN-DEC	M-C	1 140	MAR 31		7	DEC 23		244 000	JUN 07		5 535 000		15 300	31 300	23.4
1979	JAN-DEC	M-C	1 250	MAY 28		5	JAN 31		485 000	MAY 28		10 800 000		29 500	31 000	19.3
1980	JAN-DEC	M-C	955	APR 18		10	NOV 29		222 000	MAY 01		5 110 000		14 000	28 800	19.6
1981	JAN-DEC	M-C	1 030	APR 25		6	DEC 24		384 000	MAY 30		8 080 000		22 100	27 800	17.7
1982	JAN-DEC	M-C	1 400	APR 28		2	JAN 22		427 000	SEP 11		13 900 000		34 100	28 800	18.5
1983	JAN-DEC	M-C	753	JUN 01		3	DEC 27		188 000	JUN 02		5 290 000		14 500	27 500	18.5
1984	JAN-DEC	M-C	700	JUN 17		2	JAN 19		180 000	JUN 17		7 580 000		20 700	26 900	14.5

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

GRAVE CREEK AT THE MOUTH - STATION NO. 08NK019

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1970	JAN-DEC	M-C	803	MAY 28	4	FEB 17	318	MAY 28	3 310		9.07	9.07	---
1971	JAN-DEC	M-C	1 760	MAY 10	6	JUL 24	1 340	MAY 11	14 900	*	40.9	25.0	53.7
1972	APR-DEC	M-C	2 080	MAY 15 *	1	AUG 15	1 570	MAY 17 *	13 500		---	---	---
1973	JAN-DEC	M-C	113	JUN 09	1	JAN 17	52.8	MAY 15	750		2.08	17.4	88.7
1974	JAN-DEC	M-C	895	JUN 15	2	MAR 05	897	JUN 15	6 160		16.9	17.2	49.1
1975	JAN-DEC	M-C	154	JUN 20	0	AUG 05 *	73.4	JUN 20	1 580		4.32	14.7	47.9
1976	JAN-DEC	M-C	186	AUG 10	4	JUL 12	188	AUG 09	2 190		5.99	13.2	44.9
1977	JAN-DEC	M-C	72	AUG 21	2	JUL 10	9.26	MAY 11	307		0.84	11.4	46.6

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

HALFWAY RIVER NEAR FARRELL CREEK (LOWER STATION) - STATION NO. 07FA001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1982	MAY-OCT #	M-MS	1 280	MAY 03 *	20	OCT 21 *	---	---	---	---	---
1983	JUN-OCT #	M-MS	308	JUN 03	38	OCT 06	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

HARRISON RIVER NEAR HARRISON HOT SPRINGS - STATION NO. 08MG013

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1985	JUN-DEC	M-S	6	JUL 31	1	JUL 15	448	JUN 27	33 100		---	---	---
1986	JAN-DEC	M-C	18	DEC 15	1	JUN 15	1 870	DEC 18	72 800		199	199	---
1987	JAN-DEC	M-C	7	JAN 04	1	MAR 15	421	JUL 19	52 700		144	172	16.0
1988	JAN-DEC	M-C	10	MAY 23	1	APR 15	1 580	JUL 13	78 100		213	185	11.4
1989	JAN-DEC	M-C	40	MAR 14 *	2	SEP 04	2 140	JUN 14 *	100 000	*	274	208	12.8
1970	JAN-DEC	M-C	21	JUN 30	0	SEP 15 *	2 090	JUN 24	81 300		168	200	11.1
1971	JAN-FEB #	M-MS	9	JAN 04	4	FEB 01	---		---		---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION

S - SEASONAL OPERATION

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

HOMATHKO RIVER AT THE MOUTH - STATION NO. 08GD004

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUN 1	10:23		54.8	89	110	M												51				PS1
JUN 1	10:28		31.6	255	100	M												51				PS1
JUN 1	10:35		38.6	182	85.0	M												48				PS1
JUN 1	10:41		33.3	176	70.0	M												49				PS1
JUN 1	10:48		28.1	128	55.0	M												52				PS1
JUN 20	13:09	7.5	52.3	205	50.0	M	25	32	41	51	59	68	80	100				48	32	38	32	PS1
JUN 20	13:15	7.5	74.4	303	65.0	M	14	18	24	31	38	47	55	72	89	100		48	53	29	18	PS1
JUN 20	13:22	7.5	74.1	281	82.0	M	12	18	24	31	40	47	55	81	100			50	53	29	18	PS1
JUN 20	13:29	7.5	83.1	245	102	M	9	15	20	28	39	49	58	73	85	94	100	48	42	40	18	PS1
JUN 20	13:36	7.5	89.4	202	118	M	18	25	36	56	68	76	92	99	100			47	24	51	25	PS1
JUL 17	10:21	7.2	126	730	50.0	M	7	10	15	25	37	52	73	90	98	100		31	48	42	10	PS1
JUL 17	10:26	7.2	155	988	71.0	M	5	7	13	19	27	38	54	80	93	100		18	62	31	7	PS1
JUL 17	10:33	7.2	129	856	83.0	M	8	13	20	29	40	55	73	87	95	100		32	45	42	13	PS1
JUL 17	10:38	7.2	179	537	99.0	M	8	12	20	33	47	63	83	97	100			32	37	51	12	PS1
JUL 17	10:49	7.2	162	439	115	M	9	14	25	40	56	76	91	98	100			33	24	62	14	PS1
AUG 13	10:20	6.5	107	346	50.0	M	9	13	20	31	41	52	69	85	96	100		32	48	38	13	PS1
AUG 13	10:26	6.5	134	426	72.0	M	7	12	19	26	33	42	54	70	86	100		24	58	30	12	PS1
AUG 13	10:31	6.5	126	442	84.0	M	12	15	19	25	32	42	56	73	93	100		22	58	27	15	PS1
AUG 13	10:36	6.5	138	334	100	M	9	15	23	32	42	55	71	87	98	100		20	45	40	15	PS1
AUG 13	10:42	6.5	130	260	116	M	17	22	32	44	56	69	87	98	100			38	31	47	22	PS1

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

HOMATHKO RIVER AT THE MOUTH - STATION NO. 08GD004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : APR-SEP MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1982	JUN-OCT #	M-MS	550	JUN 15	225	OCT 04	---		---		---	---	---
1983	APR-OCT	M-S	895	MAY 30	6	APR 12 *	105 000	JUL 19 *	2 720 000 *		14 800	14 800	---
1984	JUN-AUG	M-MS	988	JUL 17 *	89	JUN 1	---		---		---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

HOMATHKO RIVER AT TRAGEDY CANYON - STATION NO. 08GD005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY 31	13:42	6.1	20.1	158	17.0	M	31	36	42	51	58	65	76	87	95	100		49	35	29	36	PS1
MAY 31	13:48	6.1	20.5	151	24.0	M	27	31	40	48	54	63	73	82	89	100		50	37	32	31	PS1
MAY 31	13:54	6.1	19.8	122	28.0	M	30	36	45	55	66	75	85	94	98	100		51	25	38	36	PS1
MAY 31	14:00	6.1	26.0	116	32.0	M	32	41	51	61	68	77	85	92	96	100		54	23	36	41	PS1
MAY 31	14:13	6.1	18.2	114	37.0	M	31	38	50	60	67	78	89	94	98	100		54	21	40	39	PS1
JUN 19	12:26	6.1	28.4	157	39.0	M	34	44	53	62	70	78	87	93	97	100		57	22	34	44	PS1
JUN 19	12:31	6.1	37.8	149	34.0	M	31	40	54	63	71	78	85	92	98	100		57	22	38	40	PS1
JUN 19	12:36	6.1	36.1	156	30.0	M	29	37	48	56	68	76	88	100				51	25	38	37	PS1
JUN 19	12:44	6.1	37.7	180	24.5	M	34	42	48	58	67	76	83	91	97	100		51	24	34	42	PS1
JUN 19	12:49	6.1	36.7	155	18.5	M	29	37	46	54	63	71	79	87	93	100		53	29	34	37	PS1
JUL 16	14:49	9.8	81.8	284	38.5	M	11	16	23	33	44	57	73	83	93	100		46	43	41	16	PS1
JUL 16	14:54	9.8	86.2	335	34.0	M	20	25	32	42	52	65	75	83	90	100		37	35	40	25	PS1
JUL 16	14:59	9.8	88.7	352	29.0	M	8	14	21	31	41	53	65	77	87	97	100	37	47	39	14	PS1
JUL 16	15:04	9.8	88.2	376	24.0	M	10	15	21	28	37	48	62	74	87	96	100	36	52	32	16	PS1
JUL 16	15:09	9.8	83.6	520	18.0	M	7	11	16	21	28	37	57	68	78	91	100	29	63	26	11	PS1
AUG 12	09:52	7.0	54.1	293	39.0	M	14	21	29	39	49	63	76	85	94	100		42	37	42	21	PS1
AUG 12	09:59	7.0	61.8	301	35.0	M	13	20	28	38	49	61	77	88	92	98	100	37	39	41	20	PS1
AUG 12	10:06	7.0	67.3	327	30.0	M	13	19	27	36	45	57	73	82	87	96	99	38	43	38	19	PS1
AUG 12	10:13	7.0	66.6	309	26.0	M	13	20	29	37	45	56	78	91	98	100		42	45	34	20	PS1
AUG 12	10:18	7.0	64.4	381	18.0	M	10	16	23	30	38	47	67	70	83	97	100	40	53	31	16	PS1

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

HOMATHKO RIVER AT TRAGEDY CANYON - STATION NO. 08GD005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : APR-SEP MEAN LOAD (TONNES)	SUMMARY : APR-SEP HISTORICAL MEAN LOAD (TONNES)	SUMMARY : APR-SEP STANDARD ERROR OF MEAN %
1982	JUN-OCT #	M-MS	320 JUN 15		28 OCT 05		---		---	---	---	---
1983	APR-OCT	M-S	869 MAY 30	*	6 APR 13	*	54 400 JUL 15	*	1 140 000	*	6 210	6 210	---
1984	MAY-AUG	M-MS	820 JUL 15		114 MAY 31		---		---	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

HOMATHKO RIVER BELOW NOSTETUKO RIVER - STATION NO. 08GD009

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT CONCENT (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JUN	1 16:11	9.0	3.25	57	15.0	M												82				PS1
JUN	1 16:16	9.0	3.67	62	17.0	M												88				PS1
JUN	1 16:21	9.0	3.67	108	19.0	M												76				PS1
JUN	1 16:26	9.0	3.90	100	20.5	M												79				PS1
JUN	1 16:33	9.0	2.83	56	24.5	M												73				PS1
JUN	18 15:29	8.4	6.05	73	15.0	M																PS1
JUN	18 15:34	8.4	7.85	156	18.0	M																PS1
JUN	18 15:38	8.4	7.39	204	20.5	M																PS1
JUN	18 15:48	8.4	8.78	89	25.0	M																PS1
JUN	18 15:51	8.4	7.86	71	31.5	M																PS1
JUL	18 09:02	7.8	10.3	146	15.5	M																PS1
JUL	18 09:07	7.8	11.6	213	18.5	M												83				PS1
JUL	18 09:12	7.8	12.7	337	21.0	M												80				PS1
JUL	18 09:17	7.8	12.3	180	25.0	M												58				PS1
JUL	18 09:21	7.8	12.0	148	34.0	M												51				PS1
AUG	12 14:48	10.8	8.92	267	15.0	M	5	7	17	23	32	43	62	78	92	100		69				PS1
AUG	12 14:55	10.8	10.4	410	18.0	M	7	9	11	15	19	27	43	68	89	100		45	73	18	9	PS1
AUG	12 15:00	10.8	10.8	718	21.0	M	2	3	5	8	11	16	24	35	51	89	100	47	84	13	3	PS1
AUG	12 15:05	10.8	12.0	309	25.0	M	8	9	14	21	28	39	54	70	84	100		41	61	30	8	PS1
AUG	12 15:10	10.8	9.79	288	32.5	M	6	10	16	24	31	42	55	80	88	93	100	43	58	32	10	PS1

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

HOMATHKO RIVER BELOW NOSTETUKO RIVER - STATION NO. 08GD009

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1983	JUL-OCT #	M-MS	1 370 AUG 11	*	4 OCT 20	*	---	---	---	---	---
1984	JUN-AUG	M-MS	718 AUG 12		52 JUN 1		---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

NOMATHKO RIVER BELOW NUDE CREEK - STATION NO. 08GD005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUN 1	13:05	9.5	3.06	34	43.0 M																
JUN 1	13:11	9.5	7.23	88	38.0 M												78				D49
JUN 1	13:15	9.5	5.82	61	34.0 M												76				D49
JUN 1	13:18	9.5	5.97	59	30.0 M												77				D49
JUN 1	13:23	9.5	5.47	47	24.0 M												76				D49
JUN 15	16:21	9.0	9.56	130	21.0 M												82				D49
JUN 15	16:25	9.0	10.3	152	27.0 M																P61
JUN 15	16:29	9.0	10.6	182	31.0 M																P61
JUN 15	16:33	9.0	10.5	166	35.0 M																P61
JUN 15	16:37	9.0	13.6	148	38.0 M																P61
JUL 15	12:09	9.3	16.5	254	40.0 M	13	21	29	37	47	60	76	88	97	100						P61
JUL 15	12:14	9.3	20.6	294	35.5 M	11	15	21	30	40	52	64	76	87	100		44	40	39	21	P61
JUL 15	12:18	9.3	20.5	453	31.0 M	5	8	14	22	28	34	44	58	71	94	100	45	48	37	15	P61
JUL 15	12:23	9.3	17.6	426	26.0 M	5	8	14	19	25	33	43	54	71	93	100	49	46	26	8	P61
JUL 15	12:27	9.3	24.0	337	21.0 M	9	13	18	25	32	42	53	72	94	100		38	57	25	8	P61
AUG 12	12:24	8.5	16.7	283	40.0 M	13	19	26	34	44	57	73	87	97	100		39	56	29	13	P61
AUG 12	12:33	8.5	19.4	328	35.0 M	9	14	21	28	37	51	67	80	89	100		45	43	38	19	P61
AUG 12	12:39	8.5	20.8	462	31.0 M	9	12	17	23	30	40	55	69	80	90	100	44	48	37	14	P61
AUG 12	12:46	8.5	18.7	431	26.0 M	10	13	18	24	32	42	57	74	87	96	100	40	60	28	12	P61
AUG 12	12:49	8.5	22.1	415	21.0 M	9	12	18	25	33	45	63	79	91	99	100	38	54	34	12	P61

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

NOMATHKO RIVER BELOW NUDE CREEK - STATION NO. 08GD005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : APR-SEP MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1982	JUN-OCT #	M-MS	702	SEP 01	19	OCT 05	---		---	---	---	---
1983	APR-OCT	M-S	1 630	AUG 11 *	5	APR 13 *	25 800	JUL 19 *	475 000 *	---	---	---
1984	JUN-AUG	M-MS	462	AUG 12	34	JUN 1	---		---	2 590	2 590	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

HYLAND RIVER NEAR LOWER POST - STATION NO. 10AD001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1972	JUN-JUN	M-MS	572	JUN 01 *	572	JUN 01 *	---		---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

ISKUT RIVER ABOVE SNIPPAKER CREEK - STATION NO. 08CC004

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
FEB 13	14:00	1.0	37.7	8	WERB	X												183				DIP
MAR 20	12:30	2.0	40.6	15	WERB	X												175				DIP
MAY 16	16:11	6.0	70.2	407	110	M	16	20	25	40	53	67	78	81	97	100		117	33	47	20	D48
MAY 16	16:28	6.0	69.4	520	118	M	8	14	22	32	41	55	72	87	97	100		125	45	41	14	D48
MAY 16	16:44	6.0	66.0	571	125	M	8	13	19	28	39	52	66	78	88	100		129	48	38	13	D49
MAY 16	16:50	6.0	63.1	531	133	M	8	11	22	31	43	57	71	84	98	100		128	43	46	11	D49
MAY 16	16:58	6.0	60.6	476	143	M	16	20	23	38	56	71	80	98	100			114	29	51	20	D49
JUN 25	13:15	8.0	138	884	144	M	11	16	22	30	35	41	49	82	92	100		88	59	25	16	P61
JUN 25	13:23	8.0	143	859	135	M	7	13	19	23	27	33	39	50	67	97	100	80	67	20	13	P61
JUN 25	13:30	8.0	140	584	128	M	12	18	25	33	39	46	55	67	80	98	100	78	54	28	18	P61
JUN 25	13:35	8.0	185	456	120	M	17	24	33	42	51	59	69	82	94	100		82	41	35	24	P61
JUN 25	13:45	8.0	192	473	111	M	15	21	30	40	48	56	66	83	98	100		92	44	35	21	P61
AUG 5	17:47	8.0	105	636	147	M	7	11	20	32	40	48	57	88	87	100		78	52	37	11	P61
AUG 5	18:05	8.0	138	720	138	M	15	19	27	34	40	46	54	63	74	98	100	78	54	27	19	P61
AUG 5	18:27	8.0	157	528	128	M	14	22	31	42	51	60	68	78	88	99	100	78	40	38	22	P61
AUG 5	18:44	8.0	152	472	120	M	11	19	32	42	53	64	77	89	97	100		80	36	45	19	P61
AUG 5	19:05	8.0	150	500	110	M	18	28	36	48	58	70	82	92	98	100		78	30	44	26	P61
SEP 27	15:21	5.0	21.0	54	143	M												124				D48
SEP 27	15:28	5.0	24.2	76	133	M												132				D49
SEP 27	15:35	5.0	25.2	137	123	M												126				D49
SEP 27	15:42	5.0	26.2	103	115	M												120				D49
SEP 27	15:52	5.0	29.1	87	108	M												116				D48

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

ISKUT RIVER ABOVE SNIPPAKER CREEK - STATION NO. 08CC004

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : JUN-OCT MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1982	MAR-OCT #	M-S	2 080	OCT 13 *	3	MAR 16 *	205 000	OCT 13 *	4 800 000	*	31 200	31 200	---
1983	MAR-OCT #	M-MS	568	JUL 21	5	MAR 24	---		---		---	---	---
1984	FEB-SEP	M-MS	859	JUN 25	6	FEB 12	---		---		---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

P - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

ISKUT RIVER BELOW JOHNSON RIVER - STATION NO. 08CC001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
FEB 10	15:20	3.0	106		32	WERB	X												143				DIP
MAR 19	16:00	3.5	91.6		6	WERB	X												151				DIP
MAY 17	10:12	6.0	83.1		358	30.0	M	18	22	33	46	57	67	80	91	97	100		110	33	45	22	P61
MAY 17	10:19	6.0	144		485	40.0	M	11	17	25	34	44	53	62	78	84	100		114	47	36	17	P61
MAY 17	10:26	6.0	93.9		361	55.0	M	15	23	31	43	55	68	80	95	100			114	32	45	23	P61
MAY 17	10:33	6.0	107		336	70.0	M	15	19	31	42	51	61	73	83	92	100		112	39	42	19	P61
MAY 17	10:38	6.0	76.8		337	110	M	15	21	32	46	57	68	84	95	99	100		113	32	47	21	P61
JUN 25	17:00	8.0	258		487	30.0	M	11	15	26	33	41	49	60	71	81	89	100	88	51	34	15	P61
JUN 25	17:08	8.0	225		628	45.0	M	9	15	22	27	34	42	52	72	83	92	100	86	58	27	15	P61
JUN 25	17:14	8.0	185		419	85.0	M	9	18	31	40	50	65	80	93	98	100		84	35	47	18	P61
JUN 25	17:32	8.0	200		504	85.0	M	14	22	31	40	47	56	71	85	96	100		93	44	34	22	P61
JUN 25	17:40	8.0	186		427	140	M	18	24	34	47	58	68	82	94	99	100		84	34	42	24	P61
JUN 26	13:34	7.1	1020	H	515	MID		18	21	31	42	50	57	70	79	89	100		87	43	36	21	D49
JUL 18	12:27	6.7	884	H	517	MID		20	25	34	43	50	60	75	89	97	100		77	40	35	25	D49
AUG 6	10:02	8.0	261		536	30.0	M	10	17	28	43	59	75	87	95	99	100		83	25	58	17	P61
AUG 6	10:10	8.0	260		775	45.0	M	11	16	24	33	45	56	68	78	87	100		84	44	40	16	P61
AUG 6	10:15	8.0	241		893	85.0	M	9	16	25	36	49	67	84	95	99	100		79	33	51	16	P61
AUG 6	10:23	8.0	238		764	90.0	M	10	17	25	36	50	76	81	93	98	100		85	24	59	17	P61
AUG 6	10:37	8.0	229		724	145	M	11	18	28	41	55	71	86	96	99	100		82	29	53	18	P61
AUG 14	13:40	8.0	840	H	371	MID		4	7	15	27	41	49	65	82	93	100		81	51	42	7	D48
SEP 11	09:03	6.4	405	H	65	MID													98				D48
SEP 26	13:24	7.5	37.1		43	180	M												106				P61
SEP 26	13:32	7.5	40.8		83	195	M												109				P61
SEP 26	13:39	7.5	44.5		253	205	M												108				P61
SEP 26	13:49	7.5	43.8		100	215	M												108				P61
SEP 26	13:59	7.5	55.0		89	223	M												104				P61
OCT 18	08:50	2.8	215	V	30	MID													119				D48

NOTE : SINGLE VERTICAL LOCATED AT MIDSTREAM

DISCHARGE SYMBOL(S): H - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

ISKUT RIVER BELOW JOHNSON RIVER - STATION NO. 08CG001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JUN-OCT MEAN LOAD (TONNES)	SUMMARY : JUN-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JUN-OCT HISTORICAL STANDARD ERROR OF MEAN %
1982	APR-OCT #	M-S	1 950	OCT 13 *	13	APR 19	325 000	OCT 13 *	5 980 000 *	38 700	38 700	---
1983	MAR-OCT #	M-MS	870	JUN 02	1	MAR 24 *	---		---	---	---	---
1984	FEB-OCT	M-MS	775	AUG 6	6	MAR 19	---		---	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

JOHN CREEK NEAR MEADOW CREEK - STATION NO. 08NH125

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL STANDARD ERROR OF MEAN %
1967	JUN-DEC	M-S	820	JUN 21 *	1	OCT 18	391	JUN 21	3 640	---	---	---
1968	JAN-DEC	M-C	594	MAY 19	2	JAN 13	254	JUN 02	3 200	8.75	8.75	---
1969	JAN-DEC	M-C	181	JUN 05	1	SEP 04	100	JUN 05	1 500	4.11	6.43	36.1
1970	JAN-DEC	M-C	280	JUN 03	0	MAR 12 *	128	JUN 04	1 020	2.79	5.22	34.6
1971	JAN-DEC	M-C	325	MAY 12	0	JAN 05	151	MAY 12	1 550	4.25	4.98	26.1
1972	JAN-DEC	M-C	815	JUN 08	0	JAN 08	758	JUN 10 *	4 930 *	13.6	8.70	29.8
1973	JAN-JUL	M-S	208	MAY 15	0	JAN 29	57.8	MAY 15	408	---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

KECHIKA RIVER AT THE MOUTH - STATION NO. 10BB001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JUL 26	10:25	15.0	75.6	107	136	M												31				D49
JUL 26	10:31	15.0	84.0	113	112	M												128				D49
JUL 26	10:38	15.0	108	120	92.0	M												140				D49
JUL 26	10:45	15.0	100	106	72.0	M												134				D49
JUL 26	10:53	15.0	108	124	48.0	M												133				D49

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

KECHIKA RIVER AT THE MOUTH - STATION NO. 10BB001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : HISTORICAL STANDARD ERROR OF MEAN %
1972	JUN-JUN	M-MS	245	JUN 06	245	JUN 06	---	---	---	---	---
1982	JUN-AUG #	M-MS	391	JUN 17 *	47	AUG 26	---	---	---	---	---
1983	JUN-OCT #	M-MS	145	JUN 23	9	OCT 25 *	---	---	---	---	---
1984	JUL-JUL	M-MS	124	JUL 26	108	JUL 26	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

KLAPPAN RIVER NEAR TELEGRAPH CREEK - STATION NO. 08CC001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUN 10	09:38		40.3	678	82.0 M	5	11	18	31	45	62	77	89	97	100		80	38	51	11	D49
JUN 10	09:44		42.8	820	70.0 M	7	10	16	24	36	50	65	79	89	100		80	50	40	10	D49
JUN 10	09:48		48.2	788	58.0 M	9	11	17	29	42	56	76	92	98	100		84	44	45	11	D49
JUN 10	09:54		58.2	904	40.0 M	6	9	14	23	33	48	67	81	88	96	100	83	52	39	9	D49
JUN 10	09:59		44.4	898	20.0 M	7	13	20	32	47	65	84	95	99	100		88	35	52	13	D49
JUL 29	12:15	10.5	32.1	135	84.0 M												87				D49
JUL 29	12:20	10.5	46.6	159	70.0 M												97				D49
JUL 29	12:25	10.5	47.6	151	58.0 M												88				D49
JUL 29	12:30	10.5	43.5	175 C	40.0 M												95				D49
JUL 29	12:45	10.5	42.8	138	24.0 M												90				D49

NOTE : SINGLE VERTICAL IS UNDETERMINED

CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

KLAPPAN RIVER NEAR TELEGRAPH CREEK - STATION NO. 08CC001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1982	JUN-OCT #	M-MS	718	JUN 19	7	OCT 05 *	---	---	---	---	---
1983	JUN-OCT #	M-MS	775	JUN 03	7	OCT 23	---	---	---	---	---
1984	JUN-JUL	M-MS	904	JUN 10 *	135	JUL 29	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

KOOTENAI RIVER NEAR COPELAND - STATION NO. 08NH031

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1986	JUN-DEC	M-S	585	JUN 01 *	4	SEP 08	114 000	JUN 01	858 000	---	---	---
1987	JAN-DEC	M-C	184	APR 29	0	AUG 08 *	133 000	MAY 24 *	2 420 000 *	6 820	6 820	---
1988	JAN-DEC	M-C	233	MAY 25	0	APR 08	108 000	JUN 05	1 050 000	2 880	4 740	39.7
1989	JAN-DEC	M-C	83	MAY 26	0	OCT 11	114 000	MAY 15	2 380 000	6 430	5 300	23.1
1970	JAN-DEC	M-C	128	MAY 28	1	MAR 25	45 000	JUN 07	686 000	1 820	4 430	27.7
1971	JAN-DEC	M-C	99	JUN 15	1	FEB 1	109 000	MAY 15	2 250 000	6 160	4 760	21.2
1972	JAN-DEC	M-C	35	MAY 13	2	AUG 09	25 900	MAY 16	642 000	1 750	4 270	22.7
1973	JAN-DEC	M-C	41	MAY 31	1	JUL 28	1 950	MAY 17	57 400	157	3 880	27.3
1974	JAN-DEC #	M-S	16	JUN 06	1	JAN 10	70 100	JAN 17	577 000	---	---	---
1975	JAN-DEC #	M-S	51	JUN 17	1	AUG 15	54 900	DEC 05	358 000	---	---	---
1976	JAN-DEC #	M-C	23	MAY 15	2	FEB 26	15 300	MAY 12	230 000	---	---	---
1977	JAN-DEC #	M-S	20	MAY 11	0	DEC 21	1 530	MAY 04	75 800	---	---	---
1978	JAN-DEC	M-C	21	MAY 24	0	JAN 12	2 440	MAY 16	180 000	437	3 280	29.3
1979	JAN-DEC	M-C	16	JUN 06	1	AUG 05	3 310	MAY 06	88 500	237	2 840	31.1
1980	JAN-DEC	M-C	32	MAY 05	0	FEB 11	5 180	JUN 20	127 000	348	2 680	32.0
1981	JAN-DEC	M-S	83	MAY 08	0	JAN 11	18 800	JUL 08	328 000	900	2 820	31.4

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

KOOTENAY RIVER AT CANAL FLATS - STATION NO. 08NF002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1982	MAY-OCT #	M-MS	58 MAY 28		3 OCT 25 *		---	---	---	---	---
1983	MAY-SEP #	M-MS	70 JUN 08 *		5 SEP 28		---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

KOOTENAY RIVER AT NICKS ISLAND - STATION NO. 08NN139

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JAN 2	16:00			18	10LB												158				D49
JAN 5	16:37	4.5		14	10LB																D49
JAN 9	15:50	5.0		9	10LB																D49
JAN 11	16:00	5.0		9	10LB												130				D49
JAN 14	16:25	3.0		9	10LB																D49
JAN 19	16:30	1.0		3	10LB																D49
JAN 24	16:30	3.0		7	10LB																D49
JAN 26	16:00	3.0		6	10LB																D49
JAN 28	10:00	5.0		11	10LB																D49
JAN 31	15:50	1.0		5	10LB																D49
FEB 02	16:05	3.0		7	10LB																D49
FEB 04	17:30	5.0		5	10LB																D49
FEB 06	17:00	4.0		5	10LB												144				D49
FEB 10	17:30	4.0		32	10LB																D49
FEB 13	15:30	3.0		4	10LB																D49
FEB 15	14:30	4.0		5	10LB																D49
FEB 17	18:00	4.0		4	10LB																D49
FEB 21	15:30	3.0		54	10LB												137				D49
FEB 23	16:05	5.0		6	10LB																D49
FEB 26	7:30	5.0		3	10LB																D49
FEB 27	17:00	5.0		4	10LB																D49
MAR 5	16:45	5.0		11	10LB																D49
MAR 8	17:51	5.0		8	10LB												135				D49
MAR 12	16:48	5.0		13	10LB																D49
MAR 14	17:30	6.0		8	10LB																D49
MAR 16	16:15	7.0		6	10LB																D49
MAR 19	16:40	7.0		5	10LB																D49
MAR 21	16:20	9.0		9	10LB																D49
MAR 23	17:22	7.0		9	10LB												124				D49
MAR 26	16:15	9.0		5	10LB																D49
MAR 28	15:30	8.0		7	10LB																D49
MAR 29	16:40	9.0		6	10LB																D49
APR 3	16:22	7.0		8	10LB																D49
APR 5	17:16	8.0		11	10LB												125				D49
APR 9	16:51	7.0		17	10LB																D49
APR 11	20:00	7.0		21	10LB																D49
APR 13	16:55	7.0		5	10LB																D49
APR 16	16:06	7.0		9	10LB																D49
APR 18	16:21	7.0		20	10LB												110				D49
APR 20	16:07	7.0		16	10LB																D49
APR 23	16:16	7.0		107	10LB																D49
APR 26	16:30	8.0		0	10LB																D49
APR 28	16:04	8.0		7	10LB												288				D49
APR 30	16:30	8.0		6	10LB																D49
MAY 2	17:03	7.0		10	10LB																D49
MAY 4	17:16	8.0		5	10LB																D49
MAY 7	16:54	8.0		6	10LB																D49
MAY 8	17:06	8.0		6	10LB																D49
MAY 9	16:00	8.0		6	10LB																D49
MAY 10	16:16	9.0		6	10LB																D49
MAY 11	12:14	9.0		1	10LB																D49
MAY 12	16:30	9.0		11	10LB																D49
MAY 13	17:12	9.0		8	10LB																D49
MAY 14	14:30	9.0		12	10LB												97				D49
MAY 15	16:35	8.0		8	10LB																D49
MAY 16	16:05	9.0		2	10LB																D49
MAY 17	17:54	9.0		8	10LB																D49
MAY 18	16:52	8.0		12	10LB																D49
MAY 19	14:15	9.0		13	10LB																D49
MAY 20	16:52	8.0		31	10LB																D49
MAY 21	17:40	9.0		28	10LB																D49
MAY 22	16:05	8.0		10	10LB																D49
MAY 24	17:02	8.0		14	10LB																D49
MAY 25	16:00	8.0		7	10LB																D49
MAY 26	16:30	8.0		1	10LB																D49
MAY 27	17:05	8.0		7	10LB												78				D49
MAY 28	16:55	8.0		8	10LB																D49
MAY 29	14:55	11.0		10	10LB												81				D49
MAY 30	19:00	9.0		1	10LB																D49
MAY 31	16:00	8.0		15	10LB																D49
JUN 1	17:55	9.0		6	10LB																D49
JUN 2	15:30	9.0		1	10LB																D49
JUN 3	16:30	9.0		12	10LB																D49
JUN 4	17:50	10.0		9	10LB																D49
JUN 5	16:40	9.0		7	10LB																D49
JUN 6	16:00	10.0		8	10LB																D49
JUN 7	17:40	11.0		0	10LB																D49
JUN 8	17:30	11.0		8	10LB																D49
JUN 9	17:45	10.0		0	10LB												85				D49
JUN 10	16:00	9.0		2	10LB																D49
JUN 11	16:16	10.0		0	10LB																D49
JUN 12	17:50	10.0		12	10LB																D49
JUN 13	19:50	9.0		1	10LB																D49
JUN 14	16:30	10.0		0	10LB																D49
JUN 15	20:15	11.0		0	10LB																D49
JUN 16	16:02	10.0		6	10LB																D49
JUN 17	16:00	11.0		1	10LB																D49
JUN 18	16:56	12.0		6	10LB																D49
JUN 19	16:55	12.0		0	10LB																D49
JUN 20	10:10	13.5		7	10LB												98				D49
JUN 20	16:45	12.0		2	10LB												281				D49
JUN 21	14:30	14.0		2	10LB																D49
JUN 22	19:57			6	10LB												81				D49
JUN 24	20:30			2	10LB																D49
JUN 25	20:16			6	10LB																D49
JUN 26	16:30	15.0		6	10LB																D49
JUN 27	21:34	15.0		5	10LB																D49
JUN 28	16:30	17.0		7	10LB																D49
JUN 29	17:00	15.0		6	10LB																D49
JUN 30	05:35	12.0		7	10LB																D49
JUL 1	16:04	14.0		6	10LB												77				D49
JUL 2	16:50	16.0		4	10LB																D49

NOTE : SINGLE VERTICAL LOCATED AT 10LB

CONTINUED

KOOTENAY RIVER AT NICKS ISLAND - STATION NO. 08NN129 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUL 3	18:35	18.5		5	10LB																D48
JUL 4	18:50	18.0		7	10LB																D48
JUL 5	19:30	18.0		5	10LB																D48
JUL 6	18:50	18.0		6	10LB																D48
JUL 7	18:00	18.0		4	10LB																D48
JUL 8	14:45	18.0		5	10LB																D48
JUL 9	18:30	18.0		6	10LB																D48
JUL 10	18:35	18.5		14	10LB																D48
JUL 11	18:40	17.5		7	10LB																D48
JUL 12	18:30	17.5		11	10LB																D48
JUL 13	18:25	18.0		7	10LB																D48
JUL 14	15:20	18.0		11	10LB																D48
JUL 16	17:10	17.5		8	10LB												126				D48
JUL 16	18:30	18.5		8	10LB																D48
JUL 17	19:20	18.5		8	10LB																D48
JUL 18	18:30	19.0		8	10LB																D48
JUL 19	18:50	19.0		8	10LB																D48
JUL 20	18:30	18.5		10	10LB																D48
JUL 21	18:50	18.0		10	10LB																D48
JUL 22	16:00	18.5		5	10LB																D48
JUL 23	18:00	18.0		3	10LB																D48
JUL 24	15:00	18.0		4	10LB																D48
JUL 25	14:30	19.0		5	10LB																D48
JUL 26	14:30	18.5		3	10LB																D48
JUL 27	14:30	19.5		5	10LB																D48
JUL 28	18:30	19.5		4	10LB																D48
JUL 29	13:30	19.0		5	10LB												130				D48
JUL 30	15:30	20.0		8	10LB																D48
JUL 31	14:00	21.0		8	10LB																D48
AUG 1	14:45	21.0		5	10LB																D48
AUG 3	18:40	19.0		6	10LB																D48
AUG 6	14:10	18.0		5	10LB																D48
AUG 8	15:25	19.0		7	10LB																D48
AUG 10	18:30	18.5		5	10LB												136				D48
AUG 13	18:30	18.0		8	10LB																D48
AUG 15	15:30	18.0		5	10LB																D48
AUG 17	15:30	20.0		9	10LB																D48
AUG 20	16:00	18.5		4	10LB																D48
AUG 22	15:00	19.0		9	10LB																D48
AUG 24	17:25	18.0		6	10LB												130				D48
AUG 27	18:00	16.5		8	10LB																D48
AUG 29	17:00	16.5		4	10LB																D48
AUG 31	16:15	16.0		4	10LB																D48
SEP 3	16:00	15.5		3	10LB																D48
SEP 5	16:10	15.0		8	10LB												131				D48
SEP 7	15:30	15.5		5	10LB																D48
SEP 10	17:30	15.5		5	10LB																D48
SEP 12	17:00	14.5		3	10LB												138				D48
SEP 14	13:15	14.0		4	10LB																D48
SEP 17	14:00	15.0		3	10LB																D48
SEP 19	12:30	15.0		1	10LB																D48
SEP 21	15:00	14.0		3	10LB																D48
SEP 24	17:20	12.0		2	10LB																D48
SEP 26	15:00	12.5		2	10LB																D48
SEP 28	14:00	12.0		5	10LB																D48
OCT 1	14:00	13.0		3	10LB																D48
OCT 3	17:15	13.5		2	10LB												131				D48
OCT 5	17:10	13.0		3	10LB																D48
OCT 8	18:50	14.5		2	10LB																D48
OCT 10	17:45	13.7		3	10LB																D48
OCT 12	10:30	12.0		1	10LB																D48
OCT 15	17:15	11.0		5	10LB																D48
OCT 17	19:00	11.0		2	10LB												140				D48
OCT 19	15:00	9.0		2	10LB																D48
OCT 22	17:30	10.0		2	10LB																D48
OCT 24	13:00	8.0		1	10LB																D48
OCT 26	17:00	8.0		2	10LB																D48
OCT 29	15:30	9.0		3	10LB																D48
OCT 31	16:15	7.0		5	10LB																D48
NOV 2	17:00	6.7		5	10LB												136				D48
NOV 5	14:45	7.0		4	10LB																D48
NOV 7	16:25	7.0		3	10LB																D48
NOV 9	17:00	7.0		5	10LB																D48
NOV 12	17:10	8.0		5	10LB												131				D48
NOV 14	15:00	8.0		7	10LB																D48
NOV 16	15:30	8.0		6	10LB																D48
NOV 19	15:00	7.0		4	10LB																D48
NOV 21	16:30	7.0		4	10LB																D48
NOV 23	16:45	7.0		5	10LB												140				D48
NOV 26	16:00	8.0		4	10LB												137				D48
NOV 28	16:00	5.5		5	10LB																D48
NOV 30	15:00	8.0		5	10LB																D48
DEC 3	15:00	5.0		4	10LB																D48
DEC 5	14:00	3.0		8	10LB																D48
DEC 7	16:00	3.5		8	10LB																D48
DEC 10	16:45	4.7		6	10LB																D48
DEC 12	13:30	5.0		5	10LB												144				D48
DEC 14	13:00	4.0		8	10LB																D48
DEC 17	16:45	2.0		8	10LB																D48
DEC 19	15:00	2.0		12	10LB																D48
DEC 21	16:30	3.5		8	10LB																D48
DEC 24	15:45	3.5		10	10LB																D48
DEC 26	15:30	3.5		9	10LB												147				D48
DEC 28	14:45	5.0		10	10LB																D48
DEC 31	16:30	1.0		9	10LB																D48
																	162				D48

NOTE : SINGLE VERTICAL LOCATED AT 10LB

BRITISH COLUMBIA

KOOTENAY RIVER AT NICKS ISLAND - STATION NO. 08NH129

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1970	MAY-DEC	M-S	323	JUN 07	2	SEP 29	---	---	---	---	---
1971	JAN-DEC	M-C	886	MAY 15	1	FEB 18	---	---	---	---	---
1972	JAN-DEC	M-C	279	MAY 16	1	AUG 13	---	---	---	---	---
1973	JAN-DEC	M-C	188	NOV 15	3	APR 10	---	---	---	---	---
1974	JAN-DEC	M-C	915	JAN 17 *	1	SEP 02	---	---	---	---	---
1975	JAN-DEC	M-C	301	DEC 08	0	OCT 15 *	---	---	---	---	---
1976	JAN-DEC	M-C	170	MAY 11	0	JUL 27	---	---	---	---	---
1977	JAN-DEC	M-C	52	APR 26	1	AUG 02	---	---	---	---	---
1978	JAN-DEC #	M-S	85	MAY 05	0	SEP 02	---	---	---	---	---
1979	JAN-DEC #	M-S	41	MAY 09	0	FEB 08	---	---	---	---	---
1980	JAN-DEC #	M-S	730	DEC 29	0	JUL 03	---	---	---	---	---
1981	JAN-DEC #	M-S	113	JUL 19	2	AUG 23	---	---	---	---	---
1982	JAN-DEC #	M-S	120	FEB 25	0	NOV 12	---	---	---	---	---
1983	JAN-DEC #	M-S	81	MAY 26	0	FEB 25	---	---	---	---	---
1984	JAN-DEC	M-MS	107	APR 23	0	APR 26	---	---	---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

LIARD RIVER ABOVE BEAVER RIVER - STATION NO. 10BE005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
MAY 12	12:10	4.0	891	85	WERB	X												143				DIP
JUL 26	18:43	15.0	310	101	145	M												122				P63
JUL 26	18:53	15.0	471	86	115	M												126				P63
JUL 26	19:00	15.0	1250	81	85.0	M												121				P63
SEP 27	12:18	2.0	1190	15	WELB	X												167				DIP

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

LIARD RIVER ABOVE BEAVER RIVER - STATION NO. 10BE005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1982	JUN-SEP #	M-MS	238	JUN 09	7	SEP 28	---	---	---	---	---
1983	MAY-SEP #	M-MS	265	JUN 07 *	5	SEP 26 *	---	---	---	---	---
1984	MAY-SEP	M-MS	101	JUL 26	15	SEP 27	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

LIARD RIVER ABOVE KECHIKA RIVER - STATION NO. 10BE005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUN 14	15:53	9.5	571	174	171	M	18	21	31	48	62	74	85	93	97	100		95	28	53	21	P61
JUN 14	16:03	9.5	506	180	146	M	6	9	23	43	56	72	84	93	98	100		86	26	63	9	P61
JUN 14	16:13	9.5	451	211	118	M	10	13	22	41	56	68	80	90	95	100		81	32	55	13	P61
JUN 14	16:24	9.5	518	212	86.6	M	10	10	18	36	53	65	78	89	97	100		90	35	55	10	P61
JUN 14	16:31	9.5	852	261	51.8	M	6	12	22	38	48	54	64	73	81	100		82	46	42	12	P61
AUG 6	11:00	18.0	155	8	204	M												105				DIP
AUG 6	11:02	18.0	131	8	171	M												111				DIP
AUG 6	11:04	18.0	117	7	148	M												105				DIP
AUG 6	11:08	18.0	127	10	128	M												111				DIP
AUG 6	11:08	18.0	184	9	84.5	M												109				DIP

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

LIARD RIVER ABOVE KECHIKA RIVER - STATION NO. 10BE005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	HISTORICAL STANDARD ERROR OF MEAN %
1982	JUN-JUN	M-MS	120	JUN 18	120	JUN 18	---	---	---	---	---
1983	AUG-OCT #	M-MS	17	AUG 30	8	OCT 19	---	---	---	---	---
1984	JUN-AUG	M-MS	281	JUN 14 *	6	AUG 8 *	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

LIARD RIVER AT LOWER CROSSING - STATION NO. 10BE001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)		SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY 11	11:28	5.5	137	80		130	M												188				P61
MAY 11	11:31	5.5	162	81		177	M												186				P61
MAY 11	11:36	5.5	172	88		214	M												178				P61
MAY 11	11:41	5.5	122	78		238	M												183				P61
MAY 11	11:46	5.5	187	80		258	M												173				P61
JUN 15	14:02	9.5	1010	218		80.0	M	14	21	38	58	74	85	95	98	100			105	15	84	21	P61
JUN 15	14:12	9.5	1100	389	F	170	M	8	14	25	37	48	57	67	80	93	100		110	43	43	14	P61
JUN 15	14:22	9.5	892	281		190	M	12	14	20	34	44	51	60	73	88	100		104	49	37	14	P61
JUN 15	14:28	9.5	898	265		220	M	5	8	20	32	44	63	84	78	93	100		110	47	44	9	P61
JUN 15	14:38	9.5	1080	281		258	M	6	14	29	48	84	77	88	94	99	100		112	23	63	14	P61
JUL 28	13:57	14.0	281	41		110	M												121				P61
JUL 28	14:04	14.0	342	48		188	M												136				P61
JUL 28	14:13	14.0	384	47		200	M												126				P61
JUL 28	14:21	14.0	386	38		235	M												129				P61
JUL 28	14:30	14.0	384	45		260	M												129				P61
SEP 29	11:58	4.0	818	21		220													148				P61

NOTE : SINGLE VERTICAL IS UNDETERMINED

CONCENTRATION SYMBOL(S): F - SAMPLE BOTTLE OVER FILLED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

LIARD RIVER AT LOWER CROSSING - STATION NO. 10BE001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1972	JUN-JUN	M-MS	822	JUN 02 *	822	JUN 02	---		---	---	---	---
1983	MAY-SEP #	M-MS	154	MAY 13	7	SEP 28 *	---		---	---	---	---
1984	MAY-SEP	M-MS	391	JUN 15	21	SEP 28	---		---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

LINE CREEK AT THE MOUTH - STATION NO. 08NK022

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1971	APR-DEC	M-S	101	MAY 07	1	JUN 23	88.2	MAY 12	1 380	---	---	---
1972	MAY-DEC	M-S	224	JUN 02	0	AUG 01 *	509	JUN 02	2 730	---	---	---
1973	JAN-DEC	M-C	43	MAY 17	0	MAR 20	42.8	MAY 18	431	1.18	1.18	---
1974	JAN-DEC	M-C	625	JUN 16 *	0	NOV 24	2 190	JUN 16 *	12 000 *	33.0	17.1	83.0
1975	JAN-DEC	M-C	54	JUN 02	0	JAN 23	53.2	JUN 02	1 110	3.06	12.4	83.1
1976	JAN-DEC	M-C	58	OCT 28	1	JUL 06	39.8	AUG 05	1 190	3.26	10.1	75.6
1977	JAN-DEC	M-C	53	FEB 10	0	JUL 17	51.3	MAY 11	459	1.26	8.35	74.0

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

MEADOW CREEK ABOVE JOHN CREEK - STATION NO. 08NN124

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1987	JUN-DEC	M-S	240	JUN 22	2	DEC 27	182	JUN 22	2 120	---	---	---
1988	JAN-DEC	M-C	310	JUN 02 *	1	FEB 03	213	JUN 02	1 820	5.24	5.24	---
1989	JAN-DEC	M-C	123	JUN 04	1	FEB 08	71.6	JUN 04	1 310	3.58	6.41	18.8
1990	JAN-DEC	M-C	188	JUN 04	1	JAN 18	76.7	JUN 04	1 080	2.95	3.82	17.4
1991	JAN-DEC	M-C	262	JUN 23	0	OCT 28 *	159	JUN 23	2 080	5.71	4.37	15.1
1992	JAN-DEC	M-C	190	MAY 31	0	FEB 24	374	JUN 10 *	3 100 *	8.47	5.19	18.8
1993	JAN-JUL	M-S	104	MAY 18	1	FEB 05	31.7	MAY 17	482	---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

MEADOW CREEK DIVERSION BELOW JOHN CREEK - STATION NO. 08NN128

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1968	MAR-DEC	M-S	525	JUN 02	2	MAR 02	458	JUN 02	3 030		---	---	---
1969	JAN-DEC	M-C	171	JUN 04	1	MAR 30	98.2	JUN 04	1 120		---	---	---
1970	JAN-DEC	M-C	233	JUN 03	1	APR 30	173	JUN 03	2 140		5.85	5.85	---
1971	JAN-DEC	M-C	178	JUN 23	0	MAR 08 *	121	JUN 23	2 020		5.53	5.68	2.8
1972	JAN-DEC	M-C	774	JUN 09 *	0	NOV 14	538	JUN 10 *	4 390	*	12.0	7.79	27.0
1973	JAN-JUL	M-S	186	MAY 18	0	FEB 05	79.4	MAY 18	571		---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

MICHEL CREEK AT MICHEL - STATION NO. 08NK023

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1970	JAN-DEC	M-C	280	MAY 18	1	FEB 18	---	---	---	---	---
1971	APR-OCT	M-S	571	MAY 17	3	JUL 14	---	---	---	---	---
1972	APR-DEC	M-S	595	MAY 31	0	AUG 01 *	---	---	---	---	---
1973	JAN-DEC	M-C	277	JUN 07	0	JUL 03	---	---	---	---	---
1974	JAN-DEC	M-C	656	MAY 27 *	1	FEB 05	---	---	---	---	---
1975	JAN-SEP	M-S	248	JUN 05	3	JAN 24	---	---	---	---	---
1976	JAN-DEC	M-C	338	MAY 13	1	FEB 09	---	---	---	---	---
1977	JAN-DEC	M-C	56	APR 29	2	SEP 19	---	---	---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

MICHEL CREEK BELOW NATAL - STATION NO. 08NK030

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1970	JAN-DEC	M-C	380	AUG 12	4	JUN 27	1 840	MAY 17	17 100		46.9	46.9	---
1971	MAR-OCT	M-C	528	MAY 28	3	AUG 04	4 010	MAY 28	36 800		---	---	---
1972	APR-DEC	M-C	850	MAY 31 *	2	AUG 08	16 800	JUN 01 *	122 000		---	---	---
1973	JAN-DEC	M-C	274	JUN 07	0	OCT 09 *	2 070	MAY 18	18 000		49.4	48.2	2.6
1974	JAN-DEC	M-C	850	JUN 18	0	SEP 25	13 700	JUN 18	132 000	*	361	152	58.8
1975	JAN-SEP	M-S	574	JUN 20	3	JUL 22	6 380	JUN 19	51 300		---	---	---
1976	JAN-DEC	M-C	887	AUG 10	1	SEP 14	10 100	AUG 08	87 400		184	160	48.4
1977	JAN-DEC	M-C	170	MAR 18	2	SEP 19	802	MAY 11	6 380		17.5	132	48.5

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

MORE CREEK NEAR THE MOUTH - STATION NO. 08CE005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE VERTICAL SAMPLING (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
FEB 13	10:00	0.5	5.78	10	WEBB	X												252				DIP
MAR 21	13:00	4.0	5.58	2	WEBB	X												283				DIP
MAY 18	08:20	3.5	14.7	311	119	M												184				D48
MAY 18	08:25	3.5	8.10	317	88.0	M												144				D48
MAY 18	08:32	3.5	15.8	334	88.0	M												147				D48
MAY 18	08:38	3.5	12.6	190	83.0	M												141				D48
MAY 18	08:44	3.5	8.50	183	74.0	M												142				D48
JUN 25	09:09	5.0	25.5	404	110	M	9	15	24	35	48	58	74	87	97	100		98	42	42	16	D48
JUN 25	09:15	5.0	30.3	409	95.0	M	6	14	27	40	48	59	73	91	100			111	41	45	14	D48
JUN 25	09:20	5.0	25.6	622	85.0	M	11	14	21	29	34	38	50	81	79	100		98	62	24	14	D48
JUN 25	09:25	5.0	26.6	432	77.5	M	6	15	27	38	45	52	71	89	98	100		84	46	38	16	D48
JUN 25	09:31	5.0	21.2	318	65.0	M	13	17	35	46	58	69	82	98	100			101	31	52	17	D48
AUG 5	10:42	8.0	34.1	335	115	M	27	34	40	51	61	71	82	91	98	100		88	39	37	24	D48
AUG 5	10:48	8.0	26.8	312	110	M	21	29	40	55	66	75	85	93	96	100		94	25	46	29	D48
AUG 5	10:54	8.0	23.7	374	105	M	13	24	37	51	60	67	81	93	99	100		91	33	43	24	D48
AUG 5	11:00	8.0	22.6	426	100	M	14	23	33	45	53	59	69	81	96	100		85	41	36	23	D48
AUG 5	11:11	8.0	16.9	266	18.0	M	24	33	52	66	79	85	92	98	100			80	14	53	33	D48
SEP 27	11:18	3.0	2.98	8	50.0	M												135				D48
SEP 27	11:21	3.0	4.19	18	44.0	M												138				D48
SEP 27	11:27	3.0	3.71	10	38.0	M												136				D48
SEP 27	11:34	3.0	5.02	8	30.0	M												141				D48
SEP 27	11:42	3.0	3.47	17	20.0	M												144				D48

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL M - A SEDIMENT MEASUREMENT VERTICAL

MORE CREEK NEAR THE MOUTH - STATION NO. 08CE005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JUN-OCT MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1982	MAR-OCT #	M-S	1 480	SEP 02 *	0	APR 21 *	18 700	SEP 02 *	890 000 *	4 670	4 670	---
1983	MAR-OCT #	M-MS	501	AUG 25	1	MAR 24	5 670	AUG 25	---	---	---	---
1984	FEB-SEP	M-MS	622	JUN 25	2	MAR 21		---	---	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

MOSLEY CREEK NEAR DUNBELL LAKE - STATION NO. 08ED007

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE VERTICAL SAMPLING (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY 31	10:03	4.4	8.18	78	28.5	M												87				P81
MAY 31	10:06	4.4	7.38	127	24.0	M												85				P81
MAY 31	10:12	4.4	7.43	88	19.0	M												88				P81
MAY 31	10:18	4.4	8.08	80	14.0	M												81				P81
MAY 31	10:23	4.4	7.84	82	10.0	M												80				P81
JUN 19	09:35	5.0	14.2	175	30.5	M												42				P81
JUN 19	09:39	5.0	16.5	159	24.5	M												41				P81
JUN 19	09:42	5.0	14.7	142	19.0	M												44				P81
JUN 19	09:46	5.0	14.3	124	14.0	M												47				P81
JUN 19	09:52	5.0	17.3	127	9.0	M												41				P81
JUL 16	17:52	8.8	23.4	443	9.0	M	4	8	17	32	51	71	88	97	100			28	28	63	8	P81
JUL 16	17:58	8.8	30.3	380	13.5	M	12	14	23	37	55	75	88	95	98	100		29	28	51	14	P81
JUL 16	18:01	8.8	28.5	428	18.5	M	8	13	22	32	48	66	82	93	98	100		30	34	53	13	P81
JUL 16	18:07	8.8	24.3	480	25.5	M	4	8	16	27	44	64	80	90	98	100		30	38	54	8	P81
JUL 16	18:11	8.8	31.2	568	31.5	M	4	7	13	22	38	53	72	88	95	100		38	47	46	7	P81
AUG 12	18:03	8.5	21.6	172	8.0	M												28				P81
AUG 12	18:08	8.5	28.2	190	14.0	M												23				P81
AUG 12	18:12	8.5	28.2	184	19.0	M												23				P81
AUG 12	18:16	8.5	31.6	227	26.0	M												21				P81
AUG 12	18:20	8.5	27.2	232	32.0	M												26				P81

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

MOSLEY CREEK NEAR DUNBELL LAKE - STATION NO. 08GD007

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : APR-SEP MEAN LOAD (TONNES)	SUMMARY : APR-SEP HISTORICAL MEAN LOAD (TONNES)	SUMMARY : APR-SEP STANDARD ERROR OF MEAN %
1982	JUN-OCT #	M-MS	285	JUN 15	33	OCT 04	---		---	---	---	---
1983	APR-SEP	M-S	480	JUN 02	10	APR 13 *	9 420	JUN 01 *	240 000 *	1 310	1 310	---
1984	MAY-AUG	M-MS	888	JUL 18 *	75	MAY 31	---		---	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

MURRAY RIVER ABOVE WOLVERINE RIVER - STATION NO. 07FB005

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 55 03 55 N LONG 121 01 00 W
DRAINAGE AREA: 2 410 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 49 358.70 TONNES FOR THE PERIOD APR 01 TO OCT 31

REMARKS:

	APR			MAY			JUN			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	11.0 B	3	2.85	25.2	7	15.2	118	24 S	245	1
2	11.0	3	2.85	26.0	7	15.7	102	16	141	2
3	11.4	3	2.95	28.6	7	17.3	88.2	16	127	3
4	11.3	3	2.93	30.1	7	18.2	105	18 S	163	4
5	11.2	3	2.90	30.2	7	18.3	120	36	373	5
6	11.1	3	2.88	31.3	7	18.9	152	69	986	6
7	11.3	3	2.93	33.4	8	23.1	188	108 S	1 780	7
8	11.5	3	2.98	38.0	12 S	40.4	195	96 S	1 820	8
9	11.8	3	3.06	46.5	19	76.3	203	91	1 600	9
10	11.6	3	3.01	48.5	20	84.5	223	97	1 870	10
11	11.3	3	2.93	48.1	18 S	85.5	229	114 S	2 250	11
12	11.2	3	2.90	45.6	13	51.2	241	106	2 210	12
13	11.3	3	2.93	47.6	13	53.5	252	88	1 920	13
14	11.9	3	3.08	54.4	23 S	108	253	74 S	1 620	14
15	14.8	5	5.38	73.1	48	303	224	62	1 200	15
16	25.2	12	26.1	90.1	83 S	646	193	53	884	16
17	36.0	14	43.5	89.3	84	806	181	43	598	17
18	36.5	12	37.8	104	89 S	820	132	33 S	376	18
19	36.7	10	31.7	107	51	471	110	22	205	19
20	37.5	9	29.2	118	39	401	88.8	13 S	109	20
21	38.8	8	26.8	115	29	288	87.6	12	101	21
22	40.2	8	27.8	97.4	25 S	210	108	20 S	187	22
23	40.1	8	27.7	89.4	22	170	125	30	324	23
24	37.8	8	28.2	89.0	20 S	154	150	41	531	24
25	34.5	8 S	23.6	88.4	18	139	173	48 S	888	25
26	31.5	8	21.8	89.1	18	139	157	35	478	26
27	28.2	7	17.7	90.2	17	132	166	34 S	488	27
28	28.5	8	19.7	98.4	23 S	192	161	42	857	28
29	27.3	7	16.5	113	52	508	178	40 S	819	29
30	25.8	7	15.6	137	85 S	1 010	162	36	504	30
31				138	53	632				31
TOTAL	678.1		442.47	2 271.3		7 428.1	4 805.7		24 826	TOTAL

	JUL			AUG			SEP			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	157	36	488	56.3	7	34.1	32.3	5	16.7	1
2	178	41	631	58.8	6	29.3	40.1	11	38.1	2
3	180	34	470	54.7	5	26.4	38.3	10	34.0	3
4	136	23	274	54.4	5	23.5	34.8	8	24.1	4
5	130	12 S	135	54.0	5	23.3	31.8	5	13.7	5
6	130	8	89.9	58.3	7	35.3	40.2	9	31.3	6
7	117	7	70.8	85.4	13 S	73.5	82.7	18	103	7
8	108	7	64.1	56.3	7	34.1	81.5	17	90.3	8
9	102	7	61.7	48.9	4	16.9	86.1	13	74.2	9
10	103	7	62.3	47.6	4	16.5	76.3	16	105	10
11	102	7 S	61.7	43.7	4	15.1	81.2	18 S	126	11
12	84.7	7	57.3	39.1	4	13.5	81.6	17	120	12
13	89.7	7	54.3	36.5	4	12.6	76.0	14	80.7	13
14	82.8	7	50.0	35.7	4	12.3	89.8	10	80.4	14
15	77.4	7	46.8	35.9	4	12.4	83.0	8	43.5	15
16	77.4	7	46.8	34.5	4	11.9	58.0	6	30.1	16
17	82.1	10	70.9	31.7	4	11.0	102	28	247	17
18	78.9	10	68.0	31.1	4	10.7	148	44	563	18
19	68.4	7 S	42.0	34.3	5	14.8	117	33	334	19
20	58.7	8	30.9	48.5	13	52.2	90.0	24	187	20
21	54.6	8	28.3	47.5	13	53.4	78.4	20	130	21
22	53.3	8	27.6	38.4	9	29.9	68.9	18	82.5	22
23	53.5	8	27.7	34.6	7	20.8	60.8	12	63.0	23
24	55.5	8	28.8	33.2	5	17.2	53.9	8	37.3	24
25	57.7	8	29.9	30.8	4	10.8	48.1	5	21.2	25
26	60.4	10	52.2	33.6	9	17.4	45.1	4	15.8	26
27	84.8	14	76.4	57.6	21	105	40.7	4	14.1	27
28	88.4	15	88.6	50.3	18	78.2	37.3	4	12.9	28
29	83.3	13	71.1	40.8	12	42.3	35.0	4	12.1	29
30	68.0	10	50.1	36.3	8 S	25.1	34.0	4	11.8	30
31	56.5	8	39.1	31.8	5	15.5				31
TOTAL	3 781.9		3 398.3	1 356.7		897.9	1 869.0		2 742.6	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

MURRAY RIVER ABOVE WOLVERINE RIVER - STATION NO. 07FB005

SUSPENDED SEDIMENT FOR 1984

DAY	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	NOV DAILY DISCHARGE (m^3/s)	NOV MEAN CONCENTRATION (mg/L)	NOV DAILY LOAD (t)	DEC DAILY DISCHARGE (m^3/s)	DEC MEAN CONCENTRATION (mg/L)	DEC DAILY LOAD (t)	DAY
1	33.4	4	11.5							1
2	32.6	4	11.3							2
3	40.2	9	31.3							3
4	76.7	19	126							4
5	90.9	20	157							5
6	89.2	16	123							6
7	74.5	10	64.4							7
8	110	23	219							8
9	385	100	3 070							9
10	351	92	2 790							10
11	280	85	1 460							11
12	190	48 S	788							12
13	149	33	425							13
14	131	22	249							14
15	113	14	137							15
16	95.9	8	66.3							16
17	83.4	5	36.0							17
18	74.0	4	25.6							18
19	67.8	4	23.4							19
20	62.5	4	21.5							20
21	57.4	4	19.8							21
22	53.7	3	13.9							22
23	49.9	3	12.9							23
24	50.2	3	13.0							24
25	58.5	4	20.2							25
26	51.1	7 S	37.0							26
27	47.8	7	28.9							27
28	44.5 B	6	23.1							28
29	42.0 B	6	21.8							29
30	40.1 B	6	20.8							30
31	38.6 B	6	20.0							31
TOTAL	3 023.9		10 086.8							TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

MURRAY RIVER ABOVE WOLVERINE RIVER - STATION NO. 07FB005

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
APR 25	18:28	5.0	34.3	8	61.0												187				D49
MAY 8	15:11	8.0	40.8	13	61.0																D49
MAY 11	11:53	6.0	46.5	15	61.0																D49
MAY 14	11:58	7.0	53.2	22	61.0												140				D49
MAY 18	13:38	8.0	91.0	87	61.0																D49
MAY 18	14:53	7.0	105	67	61.0																D49
MAY 22	11:03	7.0	87.4	28	61.0																D49
MAY 24	17:13	8.0	89.2	20	61.0																D49
MAY 28	15:33	8.0	98.8	28	61.0																D49
MAY 30	12:58	8.0	140	100	61.0																D49
JUN 01	10:58	7.0	118	28	61.0																D49
JUN 04	10:48	9.0	105	17	61.0																D49
JUN 07	15:56	8.0	37.5	119	30.0 M																D49
JUN 07	16:01	8.0	38.8	122	47.0 M												140				D49
JUN 07	16:06	8.0	38.8	120	61.0 M												124				D49
JUN 07	16:11	8.0	38.7	110	70.0 M												128				D49
JUN 07	16:16	8.0	38.8	80	83.0 M												120				D49
JUN 08	10:43	8.0	197	103	61.0												127				D49
JUN 11	11:58	9.0	233	123	61.0																D49
JUN 14	11:28	10.0	263	77	61.0																D49
JUN 18	14:43	10.0	128	32	61.0																D49
JUN 20	10:38	10.0	88.7	13	61.0																D49
JUN 22	14:18	11.0	111	21	61.0																D49
JUN 25	14:48	11.0	178	45	61.0																D49
JUN 27	14:03	8.0	174	34	61.0																D49
JUN 29	05:46	10.0	184	41	61.0												113				D49
JUL 05	15:43	10.0	131	11	61.0																D49
JUL 11	12:12	10.0	17.0	6	30.0 M																D49
JUL 11	12:16	10.0	21.3	6	46.0 M												123				D49
JUL 11	12:21	10.0	22.6	8	60.0 M												117				D49
JUL 11	12:26	10.0	102	10	61.0												112				D49
JUL 11	12:30	10.0	21.4	6	72.0 M												122				D49
JUL 11	12:34	10.0	23.0	6	81.0 M																D49
JUL 19	14:29	12.0	68.2	7	61.0																D49
AUG 7	14:08	13.0	66.5	13	61.0																D49
AUG 30	13:15	10.0	36.3	7	61.0												88				D49
SEP 11	11:56	8.0	81.0	18	61.0												102				D49
OCT 12	11:33	6.0	150	46	61.0												100				D49
OCT 26	15:56	2.0	80.5	7	61.0												110				D49
																	136				D49

NOTE : SINGLE VERTICAL LOCATED AT 61.0 METRES

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

MURRAY RIVER ABOVE WOLVERINE RIVER - STATION NO. 07FB008

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)				SAMPLED CONCENTRATION MINIMUM (mg/L)				SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)				SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : MAY-OCT MEAN LOAD (TONNES)	SUMMARY : MAY-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : MAY-OCT STANDARD ERROR OF MEAN %
1978	MAY-SEP	M-S	178	MAY 20			1	AUG 28	*		3 820	MAY 21			37 200		---	---	---
1979	MAY-SEP	M-S	225	JUN 04			3	SEP 27			7 880	JUN 04			68 800		---	---	---
1980	JUN-OCT	M-S	20	JUN 24			3	OCT 21			481	JUN 30			10 500		---	---	---
1981	MAY-OCT	M-S	304	MAY 21			2	SEP 29			14 300	MAY 22			128 000		688	688	---
1982	MAY-OCT	M-S	2 220	JUL 15	*		7	SEP 21			124 000	JUL 15	*		374 000	*	2 030	1 380	48.4
1983	APR-OCT	M-S	148	MAY 30			2	AUG 23			4 150	MAY 31			38 500		204	873	56.2
1984	APR-OCT	M-S	123	JUN 11			6	JUL 11			3 070	OCT 05			49 800		288	787	53.3

M - MANUAL SAMPLING

S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

MURRAY RIVER NEAR THE MOUTH - STATION NO. 07FB002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)				SAMPLED CONCENTRATION MINIMUM (mg/L)				SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)				SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : JUN-SEP MEAN LOAD (TONNES)	SUMMARY : JUN-SEP HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JUN-SEP STANDARD ERROR OF MEAN %
1978	MAY-SEP	M-S	1 020	MAY 22			6	AUG 04			32 200	MAY 21			238 000		722	722	---
1979	JUN-SEP	M-S	592	JUN 01			4	SEP 28			47 300	JUN 05			487 000		3 820	2 270	68.2
1980	MAY-MAY	M-MS	177	MAY 14			177	MAY 14			---				---		---	---	---
1981	MAY-OCT	M-S	1 570	MAY 22			1	OCT 21	*		106 000	MAY 23			611 000		921	1 820	55.0
1982	MAY-OCT	M-S	14 000	JUL 14	*		14	SEP 22			1 810 000	JUL 15	*		4 040 000	*	31 800	9 340	80.9
1983	MAY-NOV	M-S	2 800	JUL 15			8	OCT 19			180 000	JUL 15			804 000		5 340	8 640	69.1

M - MANUAL SAMPLING

S - SEASONAL OPERATION

MS - MISCELLANEOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

MUSKWA RIVER NEAR FORT NELSON - STATION NO. 10CD001

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 58 47 18 N LONG 122 38 32 W
DRAINAGE AREA: 30 300 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 9 982 485 TONNES FOR THE PERIOD MAY 01 TO SEP 26

REMARKS:

DAY	MAY DAILY DISCHARGE (m³/s)	MAY MEAN CONCENTRATION (mg/L)	MAY DAILY LOAD (t)	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	DAY
1	69.5 E	56	336	271 E	295 S	6 910	480	278	11 000	1
2	69.0 E	49	292	218 E	208	3 920	420	267	9 330	2
3	68.5 E	61 S	361	201 E	181	3 140	350	243	8 180	3
4	70.1 A	69	418	201 A	172 S	2 880	378	232	7 840	4
5	77.0	73	488	213	269	4 950	372	221	7 100	5
6	75.8	78	511	867	3 140 S	235 000	815	509	27 000	6
7	76.1	83	539	2 680	7 830	1 820 000	1 810	916 S	151 000	7
8	74.2	85	545	2 330	4 820 S	891 000	1 800	578	93 800	8
9	71.1	84 S	516	1 880	2 540	413 000	1 310	548	73 300	9
10	68.5	83	491	1 380	2 090	248 000	1 120	519	59 900	10
11	80.8	85 S	447	1 180	1 900 S	184 000	919	597	47 400	11
12	87.5	73	383	1 180	1 710	174 000	768	571	37 800	12
13	85.7	73	351	1 250	1 740	188 000	884	542	32 000	13
14	88.8	71 S	358	1 200	1 410 S	146 000	885	520 S	29 800	14
15	86.9	83	530	1 020	1 210	107 000	833	480	25 300	15
16	498	2 370 S	102 000	880	1 050 S	78 000	575	442	22 000	16
17	1 380	7 250 S	884 000	751	928	80 200	542	405	19 000	17
18	1 130	3 980 S	389 000	713	842 S	51 800	530	388	16 800	18
19	715	1 880	116 000	936	1 730 S	140 000	483	332 S	13 800	19
20	742	2 140	137 000	908	1 440	113 000	443	308	11 700	20
21	1 750	5 930 S	887 000	894	1 030 S	78 800	431	286	10 700	21
22	1 690	4 880	713 000	871	920	69 200	442	286	10 800	22
23	884	2 230 S	190 000	861	865 S	64 300	448	287	11 100	23
24	854	1 210	88 400	872	875	65 900	454 A	290 S	11 400	24
25	582 A	885 S	43 000	858	873 S	65 500	438 E	280	11 000	25
26	500 E	780	32 800	828	840	60 200	415 E	250	8 980	26
27	445 E	670	25 800	780	784 S	54 200	380 E	240	7 480	27
28	428 E	578 S	21 200	718	599	37 200	410 E	280	9 820	28
29	400 E	470	15 200	618	391 S	20 800	808 A	320	14 000	29
30	375 E	400 S	13 000	524	291	13 200	472	310	12 800	30
31	338 E	345	10 100				458	300	11 900	31
TOTAL	13 803.4		3 845 045	28 114		5 512 210	19 852		825 200	TOTAL

DAY	AUG DAILY DISCHARGE (m³/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	SEP DAILY DISCHARGE (m³/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	508			313						1
2	578			314						2
3	581			306						3
4	525			281						4
5	479			289						5
6	462			384						6
7	702			674						7
8	974			695						8
9	782			577						9
10	628			567						10
11	552			516						11
12	482			493						12
13	443			465						13
14	448			407						14
15	488			376						15
16	441			354						16
17	406			333						17
18	386			314						18
19	373			308						19
20	384			283						20
21	342			289						21
22	320			268						22
23	318			245						23
24	337	178 S	5 180	334						24
25	348			222						25
26	338			213	45 S	1 550				26
27	348			200						27
28	385			181						28
29	372			188						29
30	331			181						30
31	316									31
TOTAL	14 321		5 180	10 387		1 550				TOTAL

A - MANUAL GAUGE E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

MUSKWA RIVER NEAR FORT NELSON - STATION NO. 10CD001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)		INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY 03	15:03	4.5	68.5	Y	73	10LB													248				D49
MAY 08	18:35	4.0	16.7		84	55.0	M												252				D49
MAY 08	18:46	4.0	18.7		84	70.0	M												255				D49
MAY 08	18:56	4.0	16.8		89	85.0	M												257				D49
MAY 08	19:01	4.0	12.0		101	100	M												255				D49
MAY 08	19:08		9.39		101	120	M												256				D49
MAY 11	18:28	6.0	59.5		83	10LB																	D49
MAY 14	08:32		58.3		48	10LB																	D49
MAY 16	12:38		245		1040	10LB		8	10	17	25	37	58	85	100								D49
MAY 17	10:23	5.0	1420		8190	10LB		20	28	39	51	63	75	86	94	98	100		253	31	59	10	D49
MAY 18	14:28	6.0	1110		4080	10LB													255	25	47	28	D49
MAY 21	11:48	7.0	1840		6810	10LB		18	25	34	47	63	81	93	98	100							D49
MAY 23	12:02	7.0	985		2280	10LB													258	19	56	25	D49
MAY 25	11:45	8.0	562	V	939	10LB																	D49
MAY 28	19:28	10.0	425	Y	584	10LB																	D49
MAY 30	18:35	11.0	375	Y	390	10LB																	D49
JUN 01	19:30	13.0	271	Y	266	10LB		28	42	59	67	78	86	97	100				251	14	44	42	D49
JUN 04	20:01	13.0	201	V	203	10LB																	D49
JUN 05	15:00		985		4200	10LB																	D49
JUN 08	14:50	10.0	2330		4650	10LB		21	30	37	50	65	81	95	99	100			208	19	51	30	D49
JUN 11	18:28	13.0	1190		2040	10LB		19	27	38	51	64	77	93	99	100			198	23	50	27	D49
JUN 14	10:20	12.0	1190		1570	10LB		19	28	40	54	68	82	94	99	100			219	18	54	28	D49
JUN 15	11:11	12.0	857		1170	10LB		16	24	34	47	59	73	90	98	100			197	27	49	24	D49
JUN 18	11:52	10.0	120		589	40.0	M	24	38	51	80	70	83	97	100				217	17	45	38	D49
JUN 18	12:00	10.0	144		738	80.0	M	25	34	43	53	65	78	93	98	100			203	21	45	34	D49
JUN 18	12:08	10.0	174		812	75.0	M	23	30	39	49	60	71	89	98	100			202	28	41	30	D49
JUN 18	12:16	10.0	134		848	100	M	21	28	38	46	56	71	87	97	100			205	29	43	28	D49
JUN 18	12:26	10.0	135		870	120	M	20	27	35	45	55	68	89	98	100			186	32	41	27	D49
JUN 19	10:21		940		2050	10LB		16	25	35	49	62	74	89	98	100			178	26	49	26	D49
JUN 21	10:41		894		1130	10LB		18	26	39	51	61	71	81	88	93	100		183	29	43	28	D49
JUN 23	09:52		850		936	10LB		19	27	36	48	57	68	78	87	94	100		177	32	41	27	D49
JUN 25	10:19		863		842	10LB		17	26	36	47	58	67	78	87	95	100		183	33	41	26	D49
JUN 27	08:58		787		890	10LB		18	26	34	43	51	59	70	85	97	100		188	41	33	26	D49
JUN 29	09:49		828		310	10LB		44	56	73	86	93	97	99	100				174	3	41	56	DIP
JUL 07	11:02		2060		841	10LB		14	23	36	53	72	92	99	100				231	8	69	23	DIP
JUL 14	11:09		884		408	10LB													181				DIP
JUL 19	10:08		466		254	10LB		21	29	45	64	80	92	99	100				182	8	63	29	DIP
JUL 24	14:50	18.0	75.1		256	45.0	M	33	44	64	76	84	95	99	100				181	5	51	44	D49
JUL 24	14:58	18.0	87.5		274	80.0	M	17	26	41	61	75	86	93	97	99	100		194	14	61	25	D49
JUL 24	15:05	18.0	113		302	75.0	M	22	31	43	56	66	76	88	94	97	100		183	24	45	31	D49
JUL 24	15:13	18.0	95.0		355	100	M	21	30	39	49	56	66	78	95	100			187	34	36	30	D49
JUL 24	15:20	18.0	81.5		280	120	M	34	44	55	68	78	85	92	97	99	100		189	15	41	44	D49
JUL 24	15:15	18.0	454	V	218	10LB		36	47	63	81	92	98	99	100				194	2	51	47	DIP
AUG 24	14:38		339		137	10LB													189				DIP
SEP 26	15:33		213		85	10LB													238				D49
SEP 26	16:03		212		75	10LB													250				DIP

NOTE : SINGLE VERTICAL LOCATED AT 10LB

DISCHARGE SYMBOL(S): V - DAILY MEAN; MANUAL GAUGE Y - DAILY MEAN; ESTIMATED
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

MUSKWA RIVER NEAR FORT NELSON - STATION NO. 10CD001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)			MINIMUM (mg/L)			SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)			TOTAL FOR PERIOD (TONNES)		SUMMARY : MAY-JUL MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1979	APR-JUL	M-S	5 820	JUL 04		77	MAY 22		2 230 000	JUL 03	*	6 020 000	*	---	---	---
1980	APR-JUL	M-S	5 830	JUL 18		171	APR 27		1 570 000	JUL 24		7 620 000	*	82 800	82 800	---
1982	MAY-OCT	M-S	6 850	MAY 18		23	OCT 08	*	1 520 000	MAY 18		7 310 000	*	75 200	78 400	4.0
1983	MAY-OCT	M-S	7 070	JUN 20		28	OCT 10		1 180 000	JUN 20		5 330 000	*	54 200	71 000	12.1
1984	MAY-SEP #	M-S	8 190	MAY 17	*	46	MAY 14		1 820 000	JUN 07		9 980 000	*	109 000	80 500	14.0

M - MANUAL SAMPLING

S - SEASONAL OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

PITT RIVER NEAR PORT COQUITLAM - STATION NO. 08MH035

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1965	JUN-DEC	M-S	225	OCT 28 *	13	JUN 18	---		---	---	---	---
1966	JAN-DEC	M-C	115	APR 09	12	JAN 04	---		---	---	---	---
1967	JAN-DEC	M-C	130	MAY 13	3	FEB 18	---		---	---	---	---
1968	JAN-DEC	M-C	100	MAY 10	7	JUN 19	---		---	---	---	---
1969	JAN-DEC	M-C	103	APR 19	5	JUN 10	---		---	---	---	---
1970	JAN-DEC	M-C	74	MAY 23	4	JUN 15	---		---	---	---	---
1971	JAN-DEC	M-C	184	APR 26	1	MAY 30	---		---	---	---	---
1972	JAN-DEC #	M-MS	108	APR 11	0	JUN 19 *	---		---	---	---	---
1973	JAN-DEC #	M-MS	103	MAY 11	1	JUN 24	---		---	---	---	---
1974	JAN-DEC #	M-MS	204	MAY 04	0	MAY 25	---		---	---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

QUALITY CREEK NEAR THE MOUTH - STATION NO. 07FB005

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JUN-OCT MEAN LOAD (TONNES)	SUMMARY : JUN-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JUN-OCT STANDARD ERROR OF MEAN %
1979	JUL-SEP #	M-MS	10	JUL 23	3	SEP 27	---		---	---	---	---
1980	JUL-OCT #	M-MS	19	AUG 27	2	OCT 21	---		---	---	---	---
1981	MAY-OCT	M-S	46	JUN 01	1	OCT 20 *	8.82	JUN 01	34.4	0.14	0.14	---
1982	MAY-OCT	M-S	266	MAY 12 *	1	AUG 19	283	JUL 15 *	1 200 *	5.27	2.71	84.6
1983	MAY-OCT	M-S	187	JUN 20	1	JUN 13	46.4	JUN 20	232	1.48	2.29	87.2

M - MANUAL SAMPLING

S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

SENTINEL CREEK ABOVE GARIBALDI LAKE - STATION NO. 08GA056

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JUL-SEP MEAN LOAD (TONNES)	SUMMARY : JUL-SEP HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JUL-SEP STANDARD ERROR OF MEAN %
1967	JUL-SEP	M-S	1 480	SEP 28	45	JUL 18	848	SEP 01	5 330	---	---	---
1968	JUL-SEP	M-S	1 780	JUL 12	12	AUG 20	3 720	JUL 11 *	5 890 *	61.8	61.8	---
1969	JUL-SEP	M-S	1 210	AUG 20	15	AUG 29	1 100	SEP 18	3 030	---	---	---
1970	JUN-SEP	M-S	1 810	SEP 15 *	10	SEP 05	85.7	JUL 28	1 320	---	---	---
1971	JUN-SEP	M-S	1 760	AUG 21	11	SEP 26	848	AUG 21	2 580	27.9	44.9	37.9
1972	JUN-OCT	M-S	726	JUL 12	8	JUN 23	428	JUL 12	1 270	12.5	34.1	42.8
1973	MAY-OCT	M-S	521	JUN 23	8	JUN 03 *	84.8	JUN 23	2 340	21.5	31.0	34.8
1974	JUN-OCT	M-S	1 100	SEP 10	13	SEP 28	135	JUL 17	2 010	19.2	28.8	30.4
1975	AUG-SEP	M-S	67	AUG 14	16	SEP 27	22.2	AUG 27	238	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

SILVERHOPE CREEK NEAR HOPE - STATION NO. 08MF009

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	SUMMARY : JAN-DEC HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JAN-DEC STANDARD ERROR OF MEAN %
1965	JUN-DEC	M-S	38	SEP 15	1	DEC 15 *	37.5	DEC 05	1 430	---	---	---
1966	JAN-DEC	M-C	32	DEC 13	1	MAY 18	332	DEC 18	4 350	11.9	11.9	---
1967	JAN-DEC	M-C	29	NOV 02	1	MAR 15	781	OCT 31 *	8 550 *	15.2	13.6	12.1
1968	JAN-DEC	M-C	59	SEP 17 *	1	MAY 28	100	JAN 20	2 050	5.60	10.9	25.8
1969	JAN-DEC	M-C	12	OCT 31	1	JUL 15	347	MAY 09	4 300	11.8	11 1	18.1
1970	JAN-DEC	M-C	15	NOV 18	1	MAR 02	374	JUN 03	4 290	11.8	11.3	13.8
1971	JAN-FEB #	M-MS	4	FEB 05	1	JAN 04	---	---	---	---	---	---

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

SMOKY CREEK ABOVE DIVERSIONS - STATION NO. 08NJ162

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002 .004 .008 .016 .031 .062 .125 .250 .500 1.00 2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JAN 1	15:15	1.5	0.021	2	10LB		58				DIP
JAN 8	14:20	2.0	0.038	1	10LB						DIP
JAN 15	15:45	0.0	0.038	1	10LB		61				DIP
JAN 22	16:30	1.0	0.035	2	10LB						DIP
JAN 29	16:20	2.0	0.040	1	10LB						DIP
FEB 5	16:50	2.0	0.033	0	10LB						DIP
FEB 12	17:00	2.0	0.033	0	10LB		61				DIP
FEB 19	16:10	2.0	0.027	1	10LB						DIP
FEB 26	16:40	1.0	0.026	2	10LB		63				DIP
MAR 4	15:30	2.0	0.025	2	10LB						DIP
MAR 7	08:00	2.5	0.023	3	10LB		70				DIP
MAR 12	08:00	3.0	0.033	4	10LB						DIP
MAR 14	07:50	3.0	0.048	2	10LB						DIP
MAR 18	17:30	3.0	0.078	3	10LB		71				DIP
MAR 21	08:00	3.0	0.119	21	10LB						DIP
MAR 23	16:30	3.0	0.164	19	10LB						DIP
MAR 25	17:00	3.0	0.138	2	10LB						DIP
MAR 28	08:15	3.5	0.110	5	10LB						DIP
APR 1	17:45	3.5	0.086	4	10LB		66				DIP
APR 4	16:00	4.0	0.110	5	10LB						DIP
APR 5	16:30	4.0	0.150	9	10LB						DIP
APR 8	16:30	4.0	0.150	5	10LB						DIP
APR 11	07:55	3.0	0.113	5	10LB		59				DIP
APR 15	18:00	5.0	0.113	5	10LB						DIP
APR 15	15:45	5.0	0.159	10	10LB						DIP
APR 17	07:50	4.0	0.317	44	10LB						DIP
APR 18	08:00	4.0	0.292	19	10LB						DIP
APR 18	14:01	5.0	0.275	17	MULT	M	45				DIP
APR 18	14:14	5.0	0.275	13	10LB						DH48
APR 19	17:30	5.0	0.289	13	10LB						DIP
APR 20	14:30	5.0	0.275	13	10LB						DIP
APR 21	13:00	5.0	0.258	13	10LB						DIP
APR 22	17:00	5.0	0.164	6	10LB		55				DIP
APR 23	16:20	4.5	0.161	5	10LB		58				DIP
APR 24	07:25	3.5	0.173	5	10LB						DIP
APR 25	07:15	3.0	0.150	5	10LB						DIP
APR 26	16:15	4.0	0.125	5	10LB						DIP
APR 27	16:40	5.0	0.110	4	10LB						DIP
APR 28	15:50	5.0	0.105	3	10LB						DIP
APR 29	16:30	5.0	0.095	2	10LB						DIP
APR 30	16:00	5.0	0.091	5	10LB						DIP
MAY 1	17:00	5.0	0.088	3	10LB						DIP
MAY 2	07:30	5.0	0.091	4	10LB						DIP
MAY 3	08:00	4.0	0.083	2	10LB						DIP
MAY 4	08:10	3.0	0.088	1	10LB						DIP
MAY 5	16:10	5.0	0.088	1	10LB		64				DIP
MAY 6	16:30	5.0	0.085	1	10LB						DIP
MAY 7	07:30	5.0	0.085	2	10LB						DIP
MAY 8	08:00	5.0	0.082	1	10LB						DIP
MAY 8	16:30	5.0	0.088	1	10LB						DIP
MAY 10	09:25	4.0	0.088	1	10LB						DIP
MAY 11	08:05	4.5	0.088	2	10LB						DIP
MAY 12	19:00	5.5	0.125	3	10LB						DIP
MAY 13	15:30	8.0	0.122	1	10LB						DIP
MAY 14	11:00	8.0	0.156	5	10LB						DIP
MAY 15	20:15	5.5	0.187	8	10LB						DIP
MAY 16	15:45	5.5	0.181	4	10LB						DIP
MAY 17	16:15	8.0	0.181	3	10LB		58				DIP
MAY 18	15:45	5.5	0.159	3	10LB						DIP
MAY 19	16:00	8.0	0.221	11	10LB						DIP
MAY 20	16:30	8.0	0.207	8	10LB						DIP
MAY 21	17:00	8.0	0.181	4	10LB						DIP
MAY 22	16:10	8.5	0.159	3	10LB						DIP
MAY 23	08:00	8.0	0.210	8	10LB						DIP
MAY 24	16:00	8.0	0.178	3	10LB						DIP
MAY 25	16:00	8.0	0.150	2	10LB						DIP
MAY 26	16:30	8.0	0.150	2	10LB						DIP
MAY 27	16:30	7.0	0.130	4	10LB						DIP
MAY 28	08:05	7.0	0.122	2	10LB						DIP
MAY 29	20:15	7.0	0.119	2	10LB		61				DIP
MAY 30	16:30	8.0	0.133	4	10LB						DIP
MAY 31	12:10	5.5	0.122	2	10LB						DIP
MAY 31	12:20	5.5	0.119	2	10LB						DIP
MAY 31	16:50	7.0	0.119	1	10LB		59				DH48
JUN 1	17:05	8.0	0.102	1	10LB						DIP
JUN 2	16:30	8.0	0.093	10	10LB		58				DIP
JUN 3	16:00	8.0	0.088	2	10LB						DIP
JUN 4	08:10	7.0	0.085	3	10LB						DIP
JUN 5	17:00	8.0	0.085	1	10LB						DIP
JUN 6	17:10	8.0	0.079	2	10LB						DIP
JUN 7	16:45	8.0	0.082	0	10LB						DIP
JUN 8	08:15	7.0	0.088	1	10LB		56				DIP
JUN 9	19:35	7.5	0.133	1	10LB						DIP
JUN 10	16:30	8.0	0.113	1	10LB						DIP
JUN 11	19:30	8.5	0.086	1	10LB						DIP
JUN 12	08:00	7.5	0.093	4	10LB						DIP
JUN 13	07:50	7.5	0.088	0	10LB						DIP
JUN 15	07:30	8.5	0.078	3	10LB						DIP
JUN 16	19:30	9.0	0.074	2	10LB						DIP
JUN 17	16:00	9.0	0.071	7	10LB						DIP
JUN 18	17:50	9.0	0.085	0	10LB						DIP
JUN 19	14:30	9.5	0.082	1	10LB						DIP
JUN 20	16:30	10.0	0.088	3	10LB						DIP
JUN 21	16:30	9.0	0.085	2	10LB		65				DIP
JUN 22	16:00	9.0	0.057	2	10LB						DIP
JUN 23	19:35	10.0	0.057	5	10LB						DIP
JUN 24	16:45	10.5	0.054	3	10LB						DIP
JUN 25	08:15	9.5	0.054	4	10LB						DIP
JUN 26	16:30	10.5	0.051	4	10LB						DIP
JUN 27	07:20	10.0	0.048	1	10LB						DIP
JUN 28	16:30	11.5	0.048	5	10LB						DIP
JUN 29	07:45	11.0	0.054	33	10LB						DIP
JUN 30	19:15	10.0	0.048	3	10LB						DIP

NOTE : SINGLE VERTICAL LOCATED AT 10LB

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

CONTINUED

BRITISH COLUMBIA

SMOKY CREEK ABOVE DIVERSIONS - STATION NO. 08NJ162 (CONTINUED)

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
JUL 1	20:10	10.0	0.045	5	10LB																DIP
JUL 4	08:00	10.0	0.042	1	10LB																DIP
JUL 8	18:55	11.0	0.031	3	10LB												89				DIP
JUL 11	08:00	10.5	0.028	2	10LB																DIP
JUL 15	18:15	13.0	0.022	4	10LB																DIP
JUL 18	08:50	13.0	0.021	1	10LB																DIP
JUL 22	17:45	12.0	0.015	2	10LB												93				DIP
JUL 25	20:40	15.0	0.012	0	10LB																DIP
JUL 29	12:30	15.0	0.011	1	10LB																DIP
AUG 1	08:05	15.0	0.009	1	10LB																DIP
AUG 5	20:00	15.0	0.007	1	10LB																DIP
AUG 8	19:35	14.5	0.007	0	10LB												109				DIP
AUG 11	19:40	15.0	0.006	4	10LB												74				DIP
AUG 13	12:23	14.0	0.006	0	10LB																DIP
AUG 16	18:55	14.0	0.004	0	10LB																DIP
AUG 19	14:30	14.0	0.005	1	10LB												81				DIP
AUG 22	16:00	14.0	0.003	9	10LB																DIP
AUG 26	15:10	14.0	0.002	1	10LB																DIP
AUG 28	19:00	12.0	0.002	0	10LB																DIP
SEP 2	19:10	10.0	0.002	2	10LB												70				DIP
SEP 5	17:00	13.0	0.001	0	10LB																DIP
SEP 9	10:50	11.0	0.003	1	10LB																DIP
SEP 12	18:25	10.0	0.004	0	10LB																DIP
SEP 16	15:35	10.0	0.002	1	10LB												73				DIP
SEP 19	17:10	12.0	0.002	1	10LB																DIP
SEP 23	13:00	9.0	0.002	1	10LB																DIP
SEP 26	18:05	8.0	0.002	1	10LB																DIP
SEP 30	17:00	5.0	0.002	1	10LB												81				DIP
OCT 3	18:40	8.0	0.002	1	10LB																DIP
OCT 7	17:45	9.0	0.002	1	10LB																DIP
OCT 10	17:50	10.0	0.002	0	10LB												70				DIP
OCT 14	14:30	7.5	0.002	0	10LB																DIP
OCT 17	18:15	5.5	0.002	2	10LB												98				DIP
OCT 21	18:00	5.0	0.002	7	10LB																DIP
OCT 24	08:05	4.0	0.002	4	10LB																DIP
OCT 25	18:30	4.0	0.011	3	10LB												85				DIP
OCT 28	15:00	4.0	0.003	1	10LB																DIP
OCT 31	07:45	5.0	0.002	4	10LB																DIP
NOV 4	15:20	2.0	0.004	2	10LB																DIP
NOV 7	07:50	2.0	0.004	1	10LB												86				DIP
NOV 11	14:30	3.0	0.005	1	10LB																DIP
NOV 14	08:05	2.0	0.011	2	10LB																DIP
NOV 18	15:30	2.0	0.004	1	10LB																DIP
NOV 21	08:15	2.0	0.006	1	10LB												81				DIP
NOV 25	14:30	2.0	0.004	1	10LB																DIP
NOV 28	14:30	1.5	0.004	0	10LB																DIP
DEC 2	15:25	1.0	0.003	2	10LB																DIP
DEC 5	08:00	0.5	0.003	1	10LB																DIP
DEC 9	15:40	1.0	0.003	2	10LB																DIP
DEC 16	12:00	1.0	0.003	1	10LB												84				DIP
DEC 23	15:20	1.0	0.002	1	10LB												74				DIP
DEC 30	12:30	1.0	0.002	0	10LB																DIP

NOTE : SINGLE VERTICAL LOCATED AT 10LB

SMOKY CREEK ABOVE DIVERSIONS - STATION NO. 08NJ162

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1983	JAN-DEC #	M-MS	118	APR 25 *	0	APR 13 *	---	---	---	---	---
1984	JAN-DEC	M-MS	44	APR 17	0	FEB 5	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE

* - EXTREME FOR PERIOD OF RECORD

SQUAMISH RIVER BELOW MAMQUAM RIVER - STATION NO. 08GA053

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1973	AUG-DEC	A-S	1 400	OCT 18	8	DEC 04	---	---	---	---	---
1974	MAR-DEC	A-S	708	AUG 05	4	APR 08	---	---	---	---	---
1975	MAR-NOV #	A-S	1 520	AUG 29 *	3	APR 07 *	---	---	---	---	---

A - AUTOMATIC SAMPLING

S - SEASONAL OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

STAVE LAKE INFLOW - STATION NO. 08MH040

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1965	JUN-DEC #	M-MS	4	JUN 15	1	DEC 02	---	---	---	---	---
1966	JAN-DEC #	M-MS	12	DEC 13	1	APR 29	---	---	---	---	---
1967	JAN-DEC #	M-MS	10	JUL 17	1	AUG 08	---	---	---	---	---
1968	JAN-DEC #	M-MS	4	MAY 30	1	JAN 17	---	---	---	---	---
1969	JAN-DEC #	M-MS	12	FEB 03	1	MAR 14	---	---	---	---	---
1970	JAN-DEC #	M-MS	14	JAN 05 *	1	APR 01	---	---	---	---	---
1971	JAN-FEB #	M-MS	4	FEB 01	0	JAN 04 *	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

STIKINE RIVER ABOVE BUTTERFLY CREEK - STATION NO. 08CF001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)		INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
MAY 31	17:35	8.8	843	V	120	MID													82				P61
JUN 6	14:33		1400	M	518	WELB	X	15	23	35	52	68	80	100					82	10	67	23	P61
JUN 27	10:10	8.1	2210	M	424	MID		14	21	31	42	50	58	67	80	84	100		72	42	37	21	DIP
JUL 18	08:05	8.9	1230	M	238	MID		13	20	28	36	39	43	46	59	89	100		68	67	23	20	P61
AUG 15	10:55	8.0	1080	M	81	MID													70				P61
SEP 13	09:55	8.1	883	M	73	MID																	P61
OCT 16	14:15	2.4	414	M	19	MID													100				P61

NOTE : SINGLE VERTICAL LOCATED AT MIDSTREAM

DISCHARGE SYMBOL(S): M - DAILY MEAN V - DAILY MEAN; MANUAL GAUGE

VERTICAL SYMBOL(S): X - NOT AT REGULAR SINGLE SAMPLE VERTICAL

BRITISH COLUMBIA

STIKINE RIVER ABOVE BUTTERFLY CREEK - STATION NO. 08CF001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : JUN-OCT MEAN LOAD (TONNES)	SUMMARY : JUN-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : JUN-OCT STANDARD ERROR OF MEAN %
1982	MAY-OCT	M-S	1 830	MAY 30 *	28	OCT 07	315 000	JUN 04 *	8 530 000 *	51 300	51 300	---
1983	JUN-OCT #	M-MS	821	JUN 04	17	OCT 27 *	---		---	---	---	---
1984	MAY-OCT	M-MS	518	JUN 8	19	OCT 18	---		---	---	---	---

M - MANUAL SAMPLING

S - SEASONAL OPERATION MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

STIKINE RIVER ABOVE CHOUETTE RIVER - STATION NO. 08CF002

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE VERTICAL SAMPLING (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
MAY 31	07:38	8.0		90	---												94				D49
MAY 31	07:38	8.0		111	---												87				D49
MAY 31	07:45	8.0		135	---												85				D49
MAY 31	07:53	8.0		141	---												88				D49
MAY 31	07:58	8.0		82	---												93				D49
JUN 25	15:28	8.8		448	---	15	23	34	49	65	85	97	100				77	15	62	23	D49
JUN 25	15:33	8.8		636	---	20	28	32	42	54	67	84	95	99	100		76	33	42	25	D49
JUN 25	15:37	8.8		543	---	15	22	31	42	54	71	89	98	100			78	29	49	22	D49
JUN 25	15:41	8.8		823	---	12	16	26	35	45	59	75	87	95	100		73	31	51	18	D49
JUN 25	15:43	8.8		426	---	3	17	28	42	57	74	91	98	100			85	25	57	17	D49
JUL 18	13:46			135	---	14	14	33	58	69	81	97	100				82	19	67	14	D49
JUL 18	13:50			290	---	14	17	27	36	42	50	62	78	92	100		80	50	33	17	D49
JUL 18	13:53			332	---	5	15	28	36	44	54	68	80	90	100		82	48	38	15	D49
JUL 18	13:56			226	---	13	19	28	37	44	52	64	77	91	100		84	48	33	19	D49
JUL 18	13:58			140	---	13	26	45	60	69	78	88	95	99	100		83	22	52	26	D49
AUG 14	14:25	8.7		140	---												115				D49
AUG 14	14:28	8.7		181	---												75				D49
AUG 14	14:30	8.7		246	---												72				D49
AUG 14	14:38	8.7		310	---												78				D49
AUG 14	14:43	8.7		179	---												80				D49
SEP 11	15:08	8.3		519	---																D49
OCT 16	09:35	2.5		99	---																D49

NOTE : SINGLE VERTICAL IS UNDETERMINED

STIKINE RIVER ABOVE CHOUETTE RIVER - STATION NO. 08CF002

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	SUMMARY : HISTORICAL MEAN LOAD (TONNES)	SUMMARY : STANDARD ERROR OF MEAN %
1983	JUL-OCT #	M-MS	288	AUG 13	55	OCT 16 *	---	---	---	---	---
1984	MAY-OCT	M-MS	836	JUN 26 *	82	MAY 31	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

STIKINE RIVER ABOVE GRAND CANYON - STATION NO. 08CB001

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 56 02 38 N LONG 129 56 46 W
DRAINAGE AREA: 18 800 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING
CONTRIBUTED BY: BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
TOTAL SUSPENDED SEDIMENT LOAD 2 983 908 TONNES FOR THE PERIOD JUN 01 TO SEP 30

REMARKS:

DAY	JUN DAILY DISCHARGE (m³/s)	JUN MEAN CONCENTRATION (mg/L)	JUN DAILY LOAD (t)	JUL DAILY DISCHARGE (m³/s)	JUL MEAN CONCENTRATION (mg/L)	JUL DAILY LOAD (t)	AUG DAILY DISCHARGE (m³/s)	AUG MEAN CONCENTRATION (mg/L)	AUG DAILY LOAD (t)	DAY
1	340	252	7 400	741	172 S	11 000	751	219	14 200	1
2	351	260	7 880	657	118 S	7 110	714	127 S	7 830	2
3	370	276	8 520	574	103	5 000	663	91 S	5 130	3
4	388	296	9 840	653	96 S	5 530	683	107	6 310	4
5	424	333	12 200	574	135	7 880	678	112 S	6 580	5
6	547	484 S	21 900	773	162	10 800	649	66 S	3 810	6
7	700	1 050 S	63 500	945	237 S	19 400	680	53	3 110	7
8	852	1 420 S	105 000	1 050	473	44 500	640	56 S	3 100	8
9	1 010	1 220 S	108 000	1 080	443	41 300	559	53	3 020	9
10	1 200	2 820 S	292 000	979	369	31 200	686	48 S	2 780	10
11	1 300	2 450 S	275 000	880	303	23 300	605	43	2 250	11
12	1 240	1 310 S	140 000	812	247	17 300	536	40	1 850	12
13	1 200	848 S	88 000	800	237	16 400	498	40	1 720	13
14	1 180	577 S	57 800	813	228	16 000	505	38	1 880	14
15	1 050	414 S	37 800	779	201	13 500	504	35	1 520	15
16	912	278	21 700	754	258	18 800	471	30	1 220	16
17	782	165 S	11 100	841	305	22 200	442	26	993	17
18	723	102	6 270	780	268	18 100	526	32	1 450	18
19	747	102	6 580	881	212	12 100	632	58	4 170	19
20	885	204	15 800	578	125	6 220	843	80	6 370	20
21	1 080	352	33 100	536	83	3 860	783	55	3 720	21
22	1 180	470	47 100	542	78	3 510	719	50	3 110	22
23	1 220	590	62 200	578	69	4 880	648	46	2 570	23
24	1 390	920	110 000	605	135	7 080	592	38 S	1 880	24
25	1 480	985 S	126 000	810	189	8 280	580	35	1 780	25
26	1 390	833	100 000	841	207	11 500	584	40	2 280	26
27	1 430	878	108 000	732	278	17 500	586	40	2 300	27
28	1 280	775	85 700	699	481	41 500	518	35	1 870	28
29	1 050	573	52 000	682	384	30 400	578	31	1 550	29
30	851	367	27 000	770	298	19 800	548	26	1 230	30
31				738	274	17 500	537	24	1 110	31
TOTAL	28 520		2 045 390	23 858		512 580	19 488		100 523	TOTAL

DAY	SEP DAILY DISCHARGE (m³/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	843	23	1 080							1
2	824	22	886							2
3	480	20	847							3
4	483	18	840							4
5	471	20	814							5
6	547	28	1 330							6
7	800	33	1 710							7
8	572	32	1 580							8
9	544	31	1 480							9
10	535	30	1 390							10
11	539	31	1 440							11
12	526	30	1 380							12
13	488	27	1 180							13
14	474	25	1 020							14
15	447	23	888							15
16	428	22 S	815							16
17	448	25	970							17
18	452	25	978							18
19	434	24	900							19
20	416	22	789							20
21	393	19	645							21
22	374	18	617							22
23	355	14	429							23
24	335	11	318							24
25	319	9	248							25
26	302	10	281							26
27	281	10	243							27
28	274	9	213							28
29	277	8	191							29
30	282	8	195							30
31										31
TOTAL	13 144		25 415							TOTAL

S - SAMPLE(S) COLLECTED THIS DAY

STIKINE RIVER ABOVE GRAND CANYON - STATION NO. 08CB001

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m³/s)	INSTANT. CONCENT. (mg/L)	SINGLE SAMPLING VERTICAL (m)		PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	SILT	CLAY	TYPE OF SAMPLER
JUN 6	09:33	9.0	533	388	MID		8	10	16	27	37	50	84	81	95	100		75	50	40	10	P81
JUN 6	13:52	9.0	111	316	124	M	8	11	22	37	54	71	85	95	99	100		78	28	60	11	P81
JUN 6	13:58	9.0	98.6	355	104	M	7	14	22	33	48	61	76	87	95	100		71	39	47	14	P81
JUN 6	14:04	9.0	108	413	80.0	M	5	8	15	26	40	57	74	87	98	100		74	43	49	8	P81
JUN 6	14:09	9.0	110	586	80.0	M	6	7	13	22	32	45	59	73	88	100		70	55	38	7	P81
JUN 6	14:16	9.0	124	508	44.0	M	8	11	18	27	38	51	66	80	91	100		71	49	40	11	P81
JUN 6	15:50	9.0	551	548	MID		3	7	14	23	34	48	64	78	93	98	100	77	52	41	7	P81
JUN 7	15:30	9.0	728	1170	MID		7	10	14	20	28	38	58	79	94	98	100	83	62	28	10	P81
JUN 8	14:50	9.0	880	1490	MID		5	9	13	18	26	35	48	66	86	100		73	65	26	9	P81
JUN 8	14:45	9.0	1040	1110	MID		9	13	18	24	28	37	48	69	90	98	100	88	83	24	13	P81
JUN 10	18:35	8.5	1250	3740	MID		3	4	6	9	12	17	27	48	74	95	100	84	83	13	4	P81
JUN 11	19:05	9.0	1300	1610	MID		4	7	11	15	19	25	34	48	82	98	100	87	75	18	7	P81
JUN 12	17:45	9.0	1220	1240	MID		3	5	8	13	18	23	31	44	61	81	88	72	77	18	5	P81
JUN 13	15:35	9.5	1230	769	MID		2	5	10	17	23	29	38	49	76	94	95	78	71	23	6	P81
JUN 14	16:35	9.0	1180	525	MID		5	7	15	22	29	36	47	63	86	98	100	84	82	31	7	P81
JUN 16	19:50	8.5	1010	378	MID													86				P81
JUN 17	07:50	8.0	783	187	MID																	P81
JUN 26	16:05	8.0	1460	942	MID		3	7	12	19	26	35	50	69	89	100		71	85	26	7	P81
JUL 1	17:35	8.0	720	138	MID													75				P81
JUL 2	12:35	8.0	695	121	MID																	P81
JUL 4	14:15	8.5	850	81	MID													78				P81
JUL 7	08:05	8.0	917	203	MID		5	8	17	27	38	53	69	84	96	100		77	47	45	8	P81
AUG 2	08:35	12.0	727	133	MID													86				P81
AUG 3	08:35	12.0	649	94	MID																	P81
AUG 5	13:05	13.0	683	111	MID																	P81
AUG 6	10:35	13.0	658	83	MID																	P81
AUG 8	09:35	14.0	645	57	MID																	P81
AUG 10	14:30	12.0	699	48	MID																	P81
AUG 24	10:05	10.0	595	40	MID																	P81
SEP 16	12:03	7.5	74.4	28	128	M												87				P81
SEP 16	12:11	7.5	75.5	19	104	M												89				D49
SEP 16	12:16	7.5	78.5	21	84.0	M												91				D49
SEP 16	12:20	7.5	87.0	24	60.0	M												80				D49
SEP 16	12:25	7.5	87.7	21	44.0	M												88				D49
SEP 16	12:50	7.5	408	23	MID													81				D49
																		77				D49

NOTE : SINGLE VERTICAL LOCATED AT MIDSTREAM

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

STIKINE RIVER ABOVE GRAND CANYON - STATION NO. 08CB001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)		SUMMARY : JUN-SEP MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1980	MAY-DEC	M-S	796	JUN 05	8	OCT 28 *	121 000	JUL 24	1 740 000		11 400	11 400	---
1981	MAY-OCT	M-S	1 880	MAY 27	18	OCT 19	277 000	MAY 27	2 880 000	*	11 800	11 800	1.7
1982	MAY-OCT	M-S	1 220	JUN 02	11	OCT 08	183 000	JUN 13	2 510 000		19 000	14 100	17.5
1983	JUN-OCT #	M-S	881	JUN 20	13	OCT 21	232 000	JUN 02	2 030 000		---	---	---
1984	JUN-SEP	M-S	3 740	JUN 10 *	19	SEP 16	292 000	JUN 10 *	2 880 000		22 000	18 100	16.4

M - MANUAL SAMPLING

S - SEASONAL OPERATION

- PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

STIKINE RIVER AT TELEGRAPH CREEK - STATION NO. 08CE001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1972	MAY-MAY	M-MS	1 800	MAY 30 *	1 800	MAY 30 *	---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

BRITISH COLUMBIA

SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK - STATION NO. 07FB007

SUSPENDED SEDIMENT FOR 1984

LOCATION: LAT 55 10 14 N LONG 121 45 30 W
DRAINAGE AREA: 927 km²
TYPE OF FLOW: NATURAL
TYPE OF GAUGE: RECORDING

TOTAL SUSPENDED SEDIMENT LOAD 36 742.47 TONNES FOR THE PERIOD MAR 28 TO OCT 31

REMARKS:

	MAR			APR			MAY			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	3.10 B			5.20	6	2.70	13.3	6	6.89	1
2	3.24 B			5.47	6	2.84	15.2	6	7.88	2
3	3.40 B			5.13	6	3.16	20.0	6	10.4	3
4	3.60 B			5.87	6	3.46	19.3	7	11.7	4
5	3.87 B			6.81	6	3.43	20.1	8	13.9	5
6	3.83 B			6.87	6	3.46	21.0	10	18.1	6
7	3.85 B			6.23	6	3.23	24.8	12	28.7	7
8	3.72 B			6.46	6	3.35	26.7	14	34.7	8
9	3.86 B			5.80	6	3.06	33.2	15 S	43.0	9
10	3.81 B			6.22	6	3.22	36.1	13	39.4	10
11	3.81 B			6.06	6	3.14	31.5	6 S	21.8	11
12	3.52 B			5.89	6	3.11	28.5	5	12.7	12
13	3.45 B			6.03	6	3.13	21.3	7	16.8	13
14	3.41 B			6.89	6	3.47	36.8	23 S	77.1	14
15	3.40 B			12.6	6	6.71	85.1	98	540	15
16	3.48 B			28.5	20	49.2	78.0	132 S	890	16
17	3.76 B			28.6	20	49.6	81.2	102	718	17
18	4.10 B			24.5	12	25.4	84.1	76 S	587	18
19	4.28 B			24.2	8	16.7	85.2	63	464	19
20	4.25 B			23.8	7	14.3	87.6	80	907	20
21	4.20 B			27.6	8	14.3	76.4	35	231	21
22	4.23 B			27.2	8	14.1	63.3	35 S	137	22
23	4.43 B			24.2	8	12.5	60.6	22	115	23
24	4.60 B			21.2	5	8.18	63.3	25 S	137	24
25	4.55 B			20.1	5	8.88	61.9	23	123	25
26	4.80 B			17.8	5 S	7.89	61.6	23	122	26
27	4.88 B			17.4	5	7.52	62.8	23	126	27
28	4.73 B	6 S	2.45	16.8	6	8.71	69.8	32 S	193	28
29	4.74	5	2.46	15.5	8	8.05	82.0	48	347	29
30	4.80	5	2.54	14.8	8	7.67	81.5	70 S	583	30
31	4.63	5	2.40				78.0	41	280	31
TOTAL	123.63		9.65	431.23		307.31	1 825.4		5 389.17	TOTAL

	JUN			JUL			AUG			
DAY	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAILY DISCHARGE (m³/s)	MEAN CONCENTRATION (mg/L)	DAILY LOAD (t)	DAY
1	85.1	18 S	101	80.9	28	182	18.0	5	8.91	1
2	82.0	12	84.3	84.3	29	211	15.6	5	6.74	2
3	82.3	12	84.6	82.6	22	118	12.8	5	5.53	3
4	70.6	38 S	177	81.6	17	75.6	11.4	4	3.94	4
5	87.8	100	788	47.2	14 S	57.1	10.7	4	3.70	5
6	128	158 S	1 780	44.6	12	46.2	10.8	4	3.73	6
7	124	122	1 310	40.7	11	36.7	9.62	3 S	2.48	7
8	117	85 S	859	38.3	10	34.0	9.25	3	2.40	8
9	117	74	746	37.6	9 S	29.2	8.29	3	2.15	9
10	131	82	928	35.3	9	27.4	7.62	3	1.98	10
11	138	83 S	975	33.0	9	25.7	6.49	3	1.68	11
12	144	84	1 050	31.4	9	24.4	5.88	3	1.52	12
13	144	85	1 080	30.6	9	23.6	5.50	3	1.43	13
14	130	80 S	889	29.5	9	22.8	5.44	3	1.41	14
15	103	82	862	27.8	9	21.6	5.48	3	1.42	15
16	85.7	45	333	26.8	9	20.8	4.97	3	1.29	16
17	87.3	31	180	26.6	8	18.4	4.85	3	1.26	17
18	83.1	22 S	101	24.8	8	17.1	4.77	3	1.24	18
19	46.5	19	82.5	21.8	8 S	14.9	5.24	4	1.81	19
20	43.1	14 S	82.1	20.5	8	14.2	7.18	9	5.56	20
21	45.1	19	82.3	20.2	8	14.0	8.38	6	4.41	21
22	49.7	22 S	84.6	20.1	8	13.9	6.00	6	3.11	22
23	84.4	35	185	19.7	7	11.9	4.80	5	2.12	23
24	89.7	43	217	19.8	7	12.0	4.67	5	1.97	24
25	87.2	32 S	158	20.3	7	12.3	4.08	4	1.41	25
26	84.1	25	131	19.8	7	12.0	5.31	6	2.28	26
27	85.8	26 S	135	20.8	7	12.6	7.75	13	6.70	27
28	86.4	33	118	19.4	7	11.7	7.63	14	8.23	28
29	82.4	19 S	66.0	17.7	8	9.18	6.17	9	4.80	29
30	84.5	17	80.0	18.1	8	8.36	5.61	6 S	2.36	30
31				18.3	8	7.93	5.23	3	1.38	31
TOTAL	2 487.6		13 270.7	1 008.1		1 150.08	231.38		89.89	TOTAL

B - ICE CONDITIONS

S - SAMPLE(S) COLLECTED THIS DAY

BRITISH COLUMBIA

SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK - STATION NO. 07FB007

SUSPENDED SEDIMENT FOR 1984

DAY	SEP DAILY DISCHARGE (m^3/s)	SEP MEAN CONCENTRATION (mg/L)	SEP DAILY LOAD (t)	OCT DAILY DISCHARGE (m^3/s)	OCT MEAN CONCENTRATION (mg/L)	OCT DAILY LOAD (t)	DAY
1	5.10	3	1.32	5.83	5	2.56	
2	4.81	3	1.27	6.29	5	2.72	1
3	5.03	3	1.30	8.89	10	7.61	2
4	4.73	3	1.23	13.8	17	20.4	3
5	4.30	3	1.11	18.5	22	35.2	4
							5
6	7.88	11	7.31	17.0	20	28.4	
7	12.1	21	22.0	19.2	21	34.8	6
8	14.0	17	20.6	163 A	203	2 880	7
9	17.8	22	34.0	158 E	225	3 070	8
10	23.2	32	64.1	140 E	200	2 420	9
							10
11	28.5	38 S	89.3	119 E	175	1 800	
12	25.8	27	60.2	102 A	151 S	1 330	11
13	22.8	16	35.1	87.2	126	949	12
14	19.2	12	19.5	80.3	101	701	13
15	16.3	9	12.7	85.7	79	448	14
							15
16	15.6	10	13.5	53.2	63	290	
17	42.3	48	175	45.8	53	209	16
18	39.3	42	143	36.5	47	156	17
19	35.0	22	66.5	33.3	41	118	18
20	28.2	11	26.6	30.0	36	93.3	19
							20
21	24.8	8	17.1	27.2	31	72.9	
22	21.0	7	12.7	25.3	25	54.6	21
23	17.6	6	9.12	24.8	19	40.4	22
24	14.6	6	7.57	28.1	15	38.4	23
25	12.5	6	5.48	41.0	24	85.0	24
							25
26	10.8	8	5.85	34.3	18	53.3	
27	9.87	8	5.12	27.0 A	8	18.7	26
28	8.80	5	3.72	26.2 E	3	6.53	27
29	7.89	5	3.32	23.5 E	4	8.12	28
30	8.84	5	2.67	20.0 E	3	5.18	29
31				17.9 E	3	4.64	30
							31
TOTAL	503.98		889.89	1 499.41		14 962.86	TOTAL

A - MANUAL GAUGE E - ESTIMATED S - SAMPLE(S) COLLECTED THIS DAY

SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK - STATION NO. 07FB007

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE VERTICAL SAMPLING (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
MAR 28	10:00	3.0	4.73	8	41.0												161				DIP
APR 26	09:01	2.0	18.8	6	41.0												185				DH48
MAY 09	10:06	3.0	31.0	15	41.0																DIP
MAY 11	16:03	3.0	30.4	7	41.0																D49
MAY 14	16:03	7.0	40.1	28	41.0																D49
MAY 16	09:46	3.0	77.3	191 C	41.0																D49
MAY 18	11:03	4.0	85.5	78	41.0												136				D49
MAY 22	14:43	6.0	61.8	33	41.0																D49
MAY 24	10:43	8.0	84.2	36	41.0																D49
MAY 28	13:03	7.0	98.8	33	41.0																D49
MAY 30	15:57	5.0	87.1	87	41.0												128				D49
JUN 01	13:38	8.0	93.0	15	41.0																D49
JUN 04	13:53	7.0	70.3	28	41.0																D49
JUN 05	13:51	5.0	26.7	175	39.0 M																D49
JUN 05	13:57	5.0	27.1	147 C	27.0 M												116				D49
JUN 05	14:02	5.0	133	233 C	41.0												125				D49
JUN 05	14:07	5.0	29.3	219 C	45.0 M												126				D49
JUN 05	14:11	5.0	23.7	170	58.0 M												118				D49
JUN 05	14:16	5.0	29.1	116	58.0 M												125				D49
JUN 05	08:03	8.0	118	88	41.0												129				D49
JUN 11	15:03	9.0	132	81	41.0												120				D49
JUN 14	15:28	8.0	124	79	41.0																D49
JUN 18	10:48	7.0	53.1	22	41.0																D49
JUN 20	13:48	8.0	42.8	14	41.0																D49
JUN 22	10:58	8.0	50.0	21	41.0																D49
JUN 25	11:18	8.0	89.1	32	41.0																D49
JUN 27	10:43	7.0	56.5	28	41.0												109				D49
JUN 29	09:28	7.0	53.1	18	41.0																D49
JUL 06	12:43	8.0	47.3	14	41.0																D49
JUL 09	12:31	10.0	37.4	9	41.0												127				D49
JUL 18	11:01	8.0	21.5	8	41.0																D49
AUG 07	11:24	11.0	10.4	3	41.0												147				DH48
AUG 30	10:18	8.0	5.52	5	41.0												142				D49
SEP 11	14:55	7.0	28.3	40	41.0												142				DH48
OCT 12	14:21	5.0	108	148	41.0												127				DH48
																	133				D49

NOTE : SINGLE VERTICAL LOCATED AT 41.0 METRES

CONCENTRATION SYMBOL(S): C - COARSE MATERIAL PRESENT
VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK - STATION NO. 07FB007

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : MAY-OCT MEAN LOAD (TONNES)	SUMMARY : MAY-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : MAY-OCT HISTORICAL STANDARD ERROR OF MEAN %
1978	MAY-SEP	M-S	73	MAY 22	1	AUG 04	852	MAY 21	7 630		---	---	---
1979	MAY-SEP	M-S	208	JUN 01	0	SEP 28 *	4 880	JUN 03	36 300		---	---	---
1980	MAY-OCT #	M-S	38	MAY 13	1	OCT 27	856	JUN 18	7 070		---	---	---
1981	MAY-OCT	M-S	184	MAY 20	1	OCT 21	4 980	MAY 22	57 400	*	312	312	---
1982	MAY-OCT	M-S	438	JUL 15 *	1	SEP 22	8 170	JUL 15 *	52 000		283	298	4.8
1983	APR-OCT	M-S	83	MAY 31	0	OCT 18	3 320	JUL 15	24 300		125	240	24.2
1984	MAR-OCT	M-S	233	JUN 08	3	AUG 07	3 070	OCT 09	37 100		200	230	18.4

M - MANUAL SAMPLING

S - SEASONAL OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

SUKUNKA RIVER NEAR THE MOUTH - STATION NO 07FB003

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		SAMPLED CONCENTRATION MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		SUSPENDED SEDIMENT LOAD TOTAL FOR PERIOD (TONNES)		SUMMARY : MAY-OCT MEAN LOAD (TONNES)	SUMMARY : MAY-OCT HISTORICAL MEAN LOAD (TONNES)	SUMMARY : MAY-OCT HISTORICAL STANDARD ERROR OF MEAN %
1978	MAY-SEP	M-S	145	JUN 03	1	JUL 17 *	2 510	MAY 21	38 700		---	---	---
1979	JUN-SEP	M-S	335	JUN 06	4	SEP 27	15 100	JUN 03	159 000		---	---	---
1980	MAY-OCT #	M-S	107	MAY 12	4	OCT 28	1 600	MAY 12	10 100		---	---	---
1981	MAY-OCT #	M-S	250	JUN 05	1	OCT 23	34 200	JUN 01	111 000		---	---	---
1982	MAY-OCT	M-S	820	JUL 22	2	SEP 23	125 000	JUL 15 *	405 000	*	2 300	2 300	---
1983	APR-OCT	M-S	788	JUL 15 *	7	AUG 08	29 700	JUL 15	147 000		778	1 490	47.7

M - MANUAL SAMPLING

S - SEASONAL OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

TASEKO RIVER AT OUTLET OF TASEKO LAKES - STATION NO. 08MA003

INSTANTANEOUS SUSPENDED SEDIMENT FOR 1984

DATE	TIME	WATER TEMP. (°C)	INSTANT. DISCHARGE (m^3/s)	INSTANT. CONCENT. (mg/L)	SINGLE VERTICAL SAMPLING (m)	PERCENT FINER THAN INDICATED SIZE, IN MILLIMETRES .002	.004	.008	.016	.031	.062	.125	.250	.500	1.00	2.00	DISSOLVED SOLIDS (mg/L)	PERCENT SAND	PERCENT SILT	PERCENT CLAY	TYPE OF SAMPLER
MAR 22	11:23	2.6	1.18	13	8.0 M												57				DH48
MAR 22	11:28	2.6	1.03	17	12.0 M												57				DH48
MAR 22	11:33	2.6	0.884	13	15.5 M												57				DH48
MAR 22	11:38	2.6	1.05	15	18.0 M												57				DH48
MAR 22	11:43	2.6	0.884	13	25.0 M												57				DH48
JUN 28	11:34	8.0	17.2	11	15.0 M												54				DH48
JUN 28	11:38	8.0	18.7	8	21.0 M																PS1
JUN 28	11:42	8.0	20.8	10	27.0 M																PS1
JUN 28	11:46	8.0	18.6	9	33.0 M																PS1
JUN 28	11:50	8.0	23.1	10	37.5 M																PS1
AUG 9	10:16	11.7	18.8	13	14.0 M																PS1
AUG 9	10:28	11.7	22.2	15	21.5 M												53				PS1
AUG 9	10:32	11.7	20.7	12	27.5 M												57				PS1
AUG 9	10:36	11.7	22.0	12	33.5 M												56				PS1
AUG 9	10:41	11.7	21.9	13	38.5 M												59				PS1
																	56				PS1

NOTE : SINGLE VERTICAL IS UNDETERMINED

VERTICAL SYMBOL(S): M - A SEDIMENT MEASUREMENT VERTICAL

BRITISH COLUMBIA

TASEKO RIVER AT OUTLET OF TASEKO LAKES - STATION NO. 08MA003

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1982	JUN-SEP #	M-MS	22 AUG 12 *		10 JUN 22		---	---	---	---	---
1983	APR-SEP #	M-MS	21 SEP 14		7 JUN 05 *		---	---	---	---	---
1984	MAR-AUG	M-MS	17 MAR 22		9 JUN 28		---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

TRAPPING CREEK NEAR THE MOUTH - STATION NO. 08NN019

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1986	MAY-DEC #	M-MS	7 AUG 16 *		2 JUN 15		---	---	---	---	---
1987	FEB-SEP #	M-MS	6 MAY 15		1 FEB 06 *		---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

\# - PERIOD OF RECORD INCOMPLETE * - EXTREME FOR PERIOD OF RECORD

TUYA RIVER NEAR TELEGRAPH CREEK - STATION NO. 08CD001

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)	TOTAL FOR PERIOD (TONNES)	SUMMARY : MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1972	MAY-MAY	M-MS	1 880 MAY 30 *		1 880 MAY 30 *		---	---	---	---	---

M - MANUAL SAMPLING

MS - MISCELLANEOUS OPERATION

* - EXTREME FOR PERIOD OF RECORD

VERNON CREEK NEAR THE MOUTH - STATION NO. 08NM180

HISTORICAL SEDIMENT DATA SUMMARY

YEAR	PERIOD OF RECORD	TYPE OF OPERATION	SAMPLED CONCENTRATION MAXIMUM (mg/L)		MINIMUM (mg/L)		SUSPENDED SEDIMENT LOAD MAXIMUM DAILY (TONNES)		TOTAL FOR PERIOD (TONNES)	SUMMARY : JAN-DEC MEAN LOAD (TONNES)	HISTORICAL MEAN LOAD (TONNES)	STANDARD ERROR OF MEAN %
1976	AUG-DEC	M-S	84 AUG 25		5 OCT 13		17.7	AUG 25	748	---	---	---
1977	JAN-DEC	M-C	227 DEC 03		2 AUG 18 *		40.4	MAY 13	1 380	3.72	3.72	---
1978	JAN-DEC	M-C	595 FEB 08 *		6 SEP 12		108	JUN 13 *	2 810 *	7.15	5.44	31.8
1979	JAN-DEC	M-C	82 MAR 11		2 AUG 28		9.81	MAY 05	508	1.38	4.09	41.0
1980	JAN-DEC	M-C	101 MAY 05		3 NOV 15		10.2	MAY 05	334	0.82	3.30	43.2

M - MANUAL SAMPLING

C - CONTINUOUS OPERATION S - SEASONAL OPERATION

* - EXTREME FOR PERIOD OF RECORD

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07FA001	HALFWAY RIVER NEAR FARRELL CREEK (LOWER STATION)	72
07FB002	MURRAY RIVER NEAR THE MOUTH	90
07FB003	SUKUNKA RIVER NEAR THE MOUTH	103
07FB004	DICKEBUSCH CREEK NEAR THE MOUTH	24
07FB005	QUALITY CREEK NEAR THE MOUTH	93
07FB006	MURRAY RIVER ABOVE WOLVERINE RIVER	88
07FB007	SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK	101
08CB001	STIKINE RIVER ABOVE GRAND CANYON	89
08CC001	KLAPPAN RIVER NEAR TELEGRAPH CREEK	76
08CD001	TUYA RIVER NEAR TELEGRAPH CREEK	104
08CE001	STIKINE RIVER AT TELEGRAPH CREEK	100
08CF001	STIKINE RIVER ABOVE BUTTERFLY CREEK	97
08CF002	STIKINE RIVER ABOVE CHOUEYTTE RIVER	98
08CG001	ISKUT RIVER BELOW JOHNSON RIVER	75
08CE004	ISKUT RIVER ABOVE SNIPPAKER CREEK	75
08CE005	MORE CREEK NEAR THE MOUTH	88
08CE006	FORREST KERR CREEK ABOVE 480 M CONTOUR	40
08DA005	BOWSER RIVER AT BERENDON GLACIER	8
08GA053	SQUAMISH RIVER BELOW MAMQUAM RIVER	87
08GA056	SENTINEL CREEK ABOVE GARIBALDI LAKE	83
08GA071	ELAHO RIVER NEAR THE MOUTH	28
08GD004	HOMATHKO RIVER AT THE MOUTH	73
08GD005	HOMATHKO RIVER BELOW NUDE CREEK	75
08GD006	HOMATHKO RIVER AT TRAGEDY CANYON	73
08GD007	MOSLEY CREEK NEAR DUMBELL LAKE	86
08GD008	HOMATHKO RIVER BELOW NOSTETUKO RIVER	74
08HB048	CARNATION CREEK AT THE MOUTH	9
08KA004	FRASER RIVER AT HANSARD	44
08LA001	CLEARWATER RIVER NEAR CLEARWATER STATION	22
08MA001	CHILKO RIVER NEAR REDSTONE	21
08MA002	CHILKO RIVER AT OUTLET OF CHILKO LAKE	21
08MA003	TASEKO RIVER AT OUTLET OF TASEKO LAKES	103
08MC018	FRASER RIVER NEAR MARGUERITE	87
08MF005	FRASER RIVER AT HOPE	48
08MF009	SILVERHOPE CREEK NEAR HOPE	84
08MF035	FRASER RIVER NEAR AGASSIZ	80
08MG013	HARRISON RIVER NEAR HARRISON HOT SPRINGS	72
08MH001	CHILLIWACK RIVER AT VEDDER CROSSING	22
08MH024	FRASER RIVER AT MISSION	48
08MH035	PITT RIVER NEAR PORT COQUITLAM	93
08MH040	STAVE LAKE INFLOW	87
08MH126	FRASER RIVER AT PORT MANN PUMPING STATION	55
08NA002	COLUMBIA RIVER AT NICHOLSON	24
08NB005	COLUMBIA RIVER AT DONALD	23
08ND011	COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS	23
08NE049	COLUMBIA RIVER AT BIRCHBANK	23
08NF002	KOOTENAY RIVER AT CANAL FLATS	78
08NH018	DUCK CREEK NEAR WYNNDEL	25
08NH031	KOOTENAI RIVER NEAR COPELAND	78
08NH064	ARROW CREEK NEAR ERICKSON	5
08NH124	MEADOW CREEK ABOVE JOHN CREEK	84
08NH125	JOHN CREEK NEAR MEADOW CREEK	77
08NH126	MEADOW CREEK DIVERSION BELOW JOHN CREEK	85
08NH129	KOOTENAY RIVER AT NICKS ISLAND	80
08NJ128	FELL CREEK NEAR NELSON	30
08NJ130	ANDERSON CREEK NEAR NELSON	1
08NJ182	SMOKY CREEK ABOVE DIVERSIONS	95
08NJ186	FIVE MILE CREEK ABOVE CITY INTAKE	32
08NK002	ELK RIVER AT FERNIE	28
08NK016	ELK RIVER NEAR NATAL	29
08NK018	FORDING RIVER AT THE MOUTH	40
08NK019	GRAVE CREEK AT THE MOUTH	72
08NK020	MICHEL CREEK BELOW NATAL	85
08NK021	FORDING RIVER BELOW CLODE CREEK	40
08NK022	LINE CREEK AT THE MOUTH	84
08NK023	MICHEL CREEK AT MICHEL	85
08NK025	FORDING RIVER ABOVE CLODE CREEK	39
08NM160	VERNON CREEK NEAR THE MOUTH	104
08NN019	TRAPPING CREEK NEAR THE MOUTH	104
08NP001	FLATHEAD RIVER AT FLATHEAD	36
10AD001	NYLAND RIVER NEAR LOWER POST	75
10BB001	KECHIKA RIVER AT THE MOUTH	77
10BE001	LIARD RIVER AT LOWER CROSSING	83
10BE005	LIARD RIVER ABOVE BEAVER RIVER	82
10BE006	LIARD RIVER ABOVE KECHIKA RIVER	83
10CC002	FORT NELSON RIVER ABOVE MUSKWA RIVER	42
10CD001	MUSKWA RIVER NEAR FORT NELSON	91

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CHILKO RIVER AT OUTLET OF CHILKO LAKE	08MA002	21
CHILKO RIVER NEAR REDSTONE	08MA001	21
CHILLIWACK RIVER AT VEDDER CROSSING	08NH001	22
CLEARWATER RIVER NEAR CLEARWATER STATION	08LA001	22
COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS	08ND011	23
COLUMBIA RIVER AT BIRCHBANK	08NE049	23
COLUMBIA RIVER AT DONALD	08NB005	23
COLUMBIA RIVER AT NICHOLSON	08NA002	24
DICKENSUSCH CREEK NEAR THE MOUTH	07FB004	24
DUCK CREEK NEAR WYNNDEL	08NH018	25
ELAND RIVER NEAR THE MOUTH	08EA071	28
ELK RIVER AT FERNIE	08NK002	29
ELK RIVER NEAR NATAL	08NK016	29
FELL CREEK NEAR NELSON	08NJ129	30
FIVE MILE CREEK ABOVE CITY INTAKE	08NJ188	32
FLATHEAD RIVER AT FLATHEAD	08NP001	36
FORDING RIVER ABOVE CLODE CREEK	08NK035	39
FORDING RIVER AT THE MOUTH	08NK018	40
FORDING RIVER BELOW CLODE CREEK	08NK021	40
FORREST KERR CREEK ABOVE 480 M CONTOUR	08CE006	40
FORT NELSON RIVER ABOVE MUSKWA RIVER	10CC002	42
FRASER RIVER AT HANSARD	08KA004	44
FRASER RIVER AT HOPE	08MF005	48
FRASER RIVER AT MISSION	08MH024	49
FRASER RIVER AT PORT MANN PUMPING STATION	08MH128	55
FRASER RIVER NEAR AGASSIZ	08MF035	60
FRASER RIVER NEAR MARGUERITE	08MC018	67
GRAVE CREEK AT THE MOUTH	08NK018	72
HALFWAY RIVER NEAR FARRELL CREEK (LOWER STATION)	07FA001	72
HARRISON RIVER NEAR HARRISON HOT SPRINGS	08MG013	72
HOMATHKO RIVER AT THE MOUTH	08GD004	73
HOMATHKO RIVER AT TRAGEDY CANYON	08GD006	73
HOMATHKO RIVER BELOW KOSTETUKO RIVER	08GD008	74
HOMATHKO RIVER BELOW NUDE CREEK	08GD005	75
HYLAND RIVER NEAR LOWER POST	10AD001	76
ISKUT RIVER ABOVE SNIPPAKER CREEK	08CG004	76
ISKUT RIVER BELOW JOHNSON RIVER	08CG001	76
JOHN CREEK NEAR MEADOW CREEK	08NH125	77
KECHIKA RIVER AT THE MOUTH	10BB001	77
KLAPPAN RIVER NEAR TELEGRAPH CREEK	08CC001	78
KOOTENAI RIVER NEAR COPELAND	08NH031	78
KOOTENAY RIVER AT CANAL FLATS	08NF002	79
KOOTENAY RIVER AT NICKS ISLAND	08NH129	80
LIARD RIVER ABOVE BEAVER RIVER	10BE005	82
LIARD RIVER ABOVE KECHIKA RIVER	10BE006	83
LIARD RIVER AT LOWER CROSSING	10BE001	83
LINE CREEK AT THE MOUTH	08NK022	84
MEADOW CREEK ABOVE JOHN CREEK	08NH124	84
MEADOW CREEK DIVERSION BELOW JOHN CREEK	08NH128	85
MICHEL CREEK AT MICHEL	08NK023	85
MICHEL CREEK BELOW NATAL	08NK020	85
MORE CREEK NEAR THE MOUTH	08CE008	88
MOSLEY CREEK NEAR DUMBELL LAKE	08GD007	88
MURRAY RIVER ABOVE WOLVERINE RIVER	07FE006	88
MURRAY RIVER NEAR THE MOUTH	07FB002	90
MUSKWA RIVER NEAR FORT NELSON	10CD001	91
PITT RIVER NEAR PORT COQUITLAM	08MH035	93
QUALITY CREEK NEAR THE MOUTH	07FB005	93
SENTINEL CREEK ABOVE GARIBALDI LAKE	08GA056	93
SILVERHOPE CREEK NEAR HOPE	08MF008	94
SMOKY CREEK ABOVE DIVERSIONS	08NJ182	95
SQUAMISH RIVER BELOW MAMQUAM RIVER	08GA053	97
STAVE LAKE INFLOW	08MH040	97
STIKINE RIVER ABOVE BUTTERFLY CREEK	08CF001	97
STIKINE RIVER ABOVE CHOUETTE RIVER	08CF002	98
STIKINE RIVER ABOVE GRAND CANYON	08CB001	98
STIKINE RIVER AT TELEGRAPH CREEK	08CE001	100
SUKUNKA RIVER ABOVE CHAMBERLAIN CREEK	07FB007	101
SUKUNKA RIVER NEAR THE MOUTH	07FB003	103
TASEKO RIVER AT OUTLET OF TASEKO LAKES	08MA003	103
TRAPPING CREEK NEAR THE MOUTH	08NH018	104
TUYA RIVER NEAR TELEGRAPH CREEK	08CD001	104
VERNON CREEK NEAR THE MOUTH	08NN180	104